



**High Performance
Precision Tools
FOR MICROSCOPY
INSPECTION & ASSEMBLY**
In Industrial, Scientific
& Research Applications

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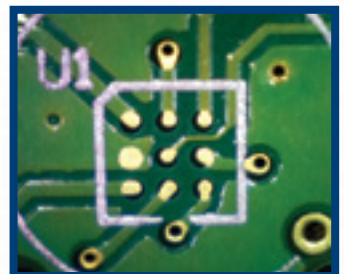
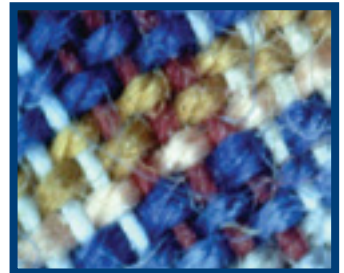
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Digital Microscopes

The Digital Age

Digital image capture, storage and manipulation is ushering in a new age in microscopy. Digital microscopes provide you a broader range of functionality, flexibility and portability, expanding your capabilities beyond the traditional optical laboratory microscope.





30 Up to
FPS
Frame/
second

1.3M
Mega
pixels

**Max ~
175X**
Optical
zoom range



Mighty Scope 1.3M Digital Microscope

Inspect, analyze & measure with ease on your PC

Wide range of uses

The Mighty Scope can be used for science and engineering work, dermatology, detailed repair, assembly and quality control (i.e. electronics, mechanical, etc), hobbies & collecting (coin, stamp, watch, jewelry, etc.), law enforcement (counterfeit ID, crime lab, etc), entertainment and much more.

Features

- Easy to use, 6-LED brightness controllable hand-held USB digital microscope
- Adjustable magnification, all in one compact lens
- High quality lens for undistorted, true to life images
- Active Pixel Technology produces sharp images and accurate color reproduction
- Professional measurement software to capture pictures, record video, freeze images and compare live and existing pictures
- Software compare mode supports dual microscope image comparison mode
- Microtouch Shutter trigger allows for convenient image capture when in hand held mode or mounted on a stand
- Includes an adjustable metal stand

DIGITAL MIGHTY SCOPE 1.3M

IMAGE SENSOR	1/4" Color CMOS
EFFECTIVE PIXELS	1.3M
SIGNAL OUTPUT	USB 2.0
FRAMES PER SECOND	640 x 480: 30fps 1280 x 1024 : 15fps
OPTICAL MAGNIFICATION	Resolution: 640 x 480 Max. ~85X Resolution: 1280 x 1024 Max. ~175X
DIGITAL MAGNIFICATION	Optical Magnification * max. 6X
GAIN CONTROL	Auto Gain Control
SNAP SHOT MODE	Hardware & Software controllable
WHITE BALANCE	Automatic
POWER SOURCE	5VDC through USB port
O/S	Windows XP SP3, Vista & 7 Mac OSX 10.6 or above
POWER CONSUMPTION	260mA (AVG)
LED LIGHT TYPE	6 White LEDs
WORKING DISTANCE	At 10x, 112mm At 20x, 42mm At 30x, 19mm At 40x, 8.5mm

Part #	Description
26700-200	Digital Mighty Scope 1.3M
26700-211	Replacement Stand



30 Up to
FPS
Frame/
second

1.3M
Mega
pixels

Max ~
175X
Optical
zoom range

Designed for use with shiny surfaces, such as solder joints, reflective metal parts, etc.



Mighty Scope 1.3M w/Polarizer

Inspect, analyze & measure with ease on your PC

Mighty Scope with polarizer is designed to reduce the effects of glare and to help eliminate "hot spots" from highly reflective surfaces and by providing uniform illumination to bring out more surface detail with minimal glare. Designed for use with reflective surfaces such as solder joints, polished metal parts, etc.

Can also be used in Dermatology - Skin or Scalp check, for diagnosis, cosmetic, follow up, hair loss treatment, etc. as well biomedical, printing/graphic arts, surface analysis and a variety of other fields.

Features

- Easy to use, 6-LED hand-held digital microscope with a USB interface
- Designed for use with shiny surfaces, such as solder joints, reflective metal parts, etc.
- High resolution magnification at your fingertips
- Detailed examination of any area you choose
- Active Pixel Technology produces sharp images and accurate color reproduction
- LED's can be turned on or off, brightness control wheel on the body
- Microtouch Shutter trigger allows for convenient image capture when in hand held mode or mounted on a stand
- Includes measurement software and adjustable metal stand
- Optional stands available

DIGITAL MIGHTY SCOPE 1.3M W/POLARIZER	
IMAGE SENSOR	1/4" Color CMOS
EFFECTIVE PIXELS	1.3M
SIGNAL OUTPUT	USB 2.0
FRAMES PER SECOND:	640 x 480: 30fps 1280 x 1024 : 15fps
OPTICAL MAGNIFICATION	Resolution: 640 x 480 Max. ~85X Resolution: 1280 x 1024 Max. ~175X
DIGITAL MAGNIFICATION	Optical Magnification * max. 6X
GAIN CONTROL	Auto Gain Control
SNAP SHOT MODE	Hardware & Software controllable
WHITE BALANCE	Automatic
POWER SOURCE	5VDC through USB port
O/S	Windows XP SP3, Vista & 7 Mac OSX 10.6 or above
POWER CONSUMPTION	260mA (AVG)
LED LIGHT TYPE	6 White LEDs
WORKING DISTANCE	At 10x, 112mm At 20x, 42mm At 30x, 19mm At 40x, 8.5mm

Part #	Description
26700-200-PLR	Digital Mighty Scope 1.3M w/Polarizer
26700-211	Replacement Stand

Up to
15 FPS

Frame/
second

Wi-Fi

Mobile
Hotspot

**1x~
80x**

Zoom
range



Mighty Scope Connect

Connect to your iOS or Android device

The Mighty Scope Connect is great for medical offices, education, mobile research, science, quality control, law enforcement (counterfeit ID, crime lab, etc), hobbies and collecting (coin, stamp, watch, jewelry, etc.), entertainment and much more.

Features

- Handheld wireless digital microscope, 6 white LED's with variable lighting control
- Adjustable magnification from 1x-80x (varies based on screen size)
- High quality lens for undistorted, true to life images
- Active Pixel Technology produces sharp images and accurate color reproduction
- Android (2.3 and up) and iOS (4.1 and up) compatible
- Connect up to 3 devices with wireless hotspot technology
- Microtouch Shutter button for remote image capture
- Includes an adjustable metal stand, 3 rechargeable AA batteries (Ni-MH batteries) and battery charger

MIGHTY SCOPE CONNECT

IMAGE SENSOR	1/4" Color CMOS
EFFECTIVE PIXELS	0.3M
LED LIGHT TYPE	Adjustable 6 White LEDs
MAGNIFICATION	1X~80X (Viewed on 9.7 iPad) *Magnification varies with monitor size
SNAP SHOT MODE	Hardware & Software controllable
GAIN CONTROL	Auto Gain Control
WHITE BALANCE	Automatic
VIDEO CODEC	MPEG4
WI-FI COMPATIBILITY	2.4GHz Wi-Fi IEEE802.11b/g/n
OPERATIONAL RANGE	~10M from connected device
O/S	iOS 4.1 and up Android 2.3 and up
POWER SOURCE	3 AA (Alkaline, Ni-MH) batteries
POWER CONSUMPTION	3.6V 440mA
OPERATION TIME	~3.5 hours with Ni-MH 2500mA batteries *Time will vary depending on environment
OUTER DIMENSIONS	155mm x 75mm x 37mm
WEIGHT	140g (w/o batteries)

Part #	Description
26700-201	Mighty Scope Connect



30^{Up to}
FPS

Frame/
second

0.3

Mega
pixels

Max ~
85X

Optical
zoom range



Mighty Scope Analog

Connects directly to your TV

Simply plug it in to watch live images on the big screen. Use the adjustment dials to adjust focus and light intensity.

Features

- Easy to use, 6 LED hand-held analog microscope with a USB interface
- Detailed examination of any area you choose
- Resolution 510 x 496 NTSC and 628 x 586 PAL
- Active Pixel Technology produces sharp images and accurate color reproduction
- LED's can be turned on or off , brightness control wheel on the body
- No PC Required. Plugs into your TV monitor with supplied RCA plugs (TV must have RCA inputs)
- Metal stand with height and angle adjustment included
- Optional stands available

ANALOG MIGHTY SCOPE

IMAGE SENSOR	1/3" Color CMOS
EFFECTIVE PIXELS (HxV)	NTSC: 510 x 496 PAL: 628x586
SIGNAL OUTPUT	NTSC PAL
VIDEO OUTPUT	1Vp-p analog Video @ 75ohm, RCA Jack
MAGNIFICATION	Max.~85X
GAIN CONTROL	Auto Gain Control
SNAP SHOT MODE	X
WHITE BALANCE	Automatic
POWER SOURCE	5VDC
O/S	X
POWER CONSUMPTION	250mA (AVG)
LED LIGHT TYPE	6 White LEDs
WORKING DISTANCE	At 10x, 112mm At 20x, 42mm At 30x, 19mm At 40x, 8.5mm

Part #	Description
26700-202	Analog Mighty Scope
26700-211	Replacement Stand



30 Up to
FPS
Frame/
second

2.0
Mega
pixels

**10x~
80x**
Zoom
range



Auto-Focus Mighty Scope

Stay focused in on the task at hand

Equipped with a two megapixel CMOS sensor, four bright white intensity controllable LED lights, and housed in a ergonomically design case, the Auto-Focus Mighty Scope is a powerful compact inspection tool.

The Auto-Focus Mighty Scope features three convenient options to quickly bring the sample into view. Continuous focusing mode keeps the specimen or product is sharp view when the working distance and magnification needs to be adjusted. Choose the single focus mode for a stationary position. Focus once and analyze multiple times. The manual focus mode gives complete control to the operator.

It is a great tool for the science, engineering, quality control, inspection and repair and hobbies and collecting fields. Includes a stand to hold the scope.

AUTO-FOCUS MIGHTY SCOPE	
IMAGE SENSOR	Color CMOS
EFFECTIVE PIXELS	2.0M
SIGNAL OUTPUT	USB 2.0
VIDEO OUTPUT:	15 fps (1280x1024px) 30 fps (640x480px)
MAGNIFICATION	1 to 80X (320x on 22" Monitor)
GAIN CONTROL	Auto Gain Control
SNAP SHOT MODE	Hardware & Software controllable
WHITE BALANCE	Automatic
POWER SOURCE	5VDC through USB port
O/S	Windows XP, Vista & 7
LED LIGHT TYPE	4 White LEDs

Part #	Description
26700-203	Auto-Focus Mighty Scope



30 Up to
FPS
Frame/
second

1.3
Mega
pixels

500x
FIXED
Zoom
range



Mighty Scope 1.3M 500x

Inspect, analyze & measure with ease on your PC

Our 500x fixed focus Mighty Scope is designed for high magnification applications. This microscope has a working distance of 0-3mm. Software included with the microscope allows you to take measurements of objects, capture high resolution images and videos.

Our Mighty Scope comes with software for easy capture of images or videos (measurement function included)

Features

- Easy to use, 6-LED hand-held digital microscope with a USB interface
- High resolution magnification at your fingertips
- Detailed examination of any area you choose
- Active Pixel Technology produces sharp images and accurate color reproduction
- LED's can be turned on or off , brightness control wheel on the body
- Magnification: 500x (NOT Adjustable) with a working distance less than 2mm
- Microtouch Shutter trigger allows for convenient image capture when in hand held mode or mounted on a stand
- Metal Stand with height and angle adjustment included
- Optional stands available

DIGITAL 500X MIGHTY SCOPE 1.3M

IMAGE SENSOR	1/4" Color CMOS
EFFECTIVE PIXELS	1.3M
SIGNAL OUTPUT	USB 2.0
VIDEO OUTPUT	X
MAGNIFICATION	500x
GAIN CONTROL	Auto Gain Control
SNAP SHOT MODE	Hardware & Software controllable
WHITE BALANCE	Automatic
POWER SOURCE	5VDC through USB port
O/S	Windows XP, Vista and 7
POWER CONSUMPTION	110mA (AVG)
LED LIGHT TYPE	6 White LEDs
WORKING DISTANCE	0 to 3mm

Part #	Description
26700-204	Digital Mighty Scope - 500x
26700-211	Replacement Stand



30 Up to
FPS
Frame/
second

5.0M
Mega
pixels

**Max ~
380X**
Optical
zoom range

Detect fluoresces in adhesives and
laminates and conformal coating



Mighty Scope 5M UV

Inspect, analyze & measure with ease on your PC

Applications

Forgery Analysis | Currency Verification | Automotive Leak Detection
Gemstone & Mineral Inspection | Arson Detection | Crime Scene Inspection
Artwork Inspection | Admission/Access or Crowd Control

Features

- Easy to use, 6-LED hand-held digital microscope with a USB interface
- UV LED lights operating at 405nm
- High resolution magnification at your fingertips
- Detailed examination of any area you choose
- Active Pixel Technology produces sharp images and accurate color reproduction
- LED's can be turned on or off , brightness control wheel on the body
- Microtouch Shutter trigger allows for convenient image capture when in hand held mode or mounted on a stand
- Includes measurement software and adjustable metal stand
- Optional stands available

DIGITAL UV MIGHTY SCOPE 5M	
IMAGE SENSOR	1/4" Color CMOS
EFFECTIVE PIXELS	5.0M
SIGNAL OUTPUT	USB 2.0
FRAMES PER SECOND:	640 x 480: 30fps 1024 x 768 : 30fps 2048 x 1536: 15fps
OPTICAL MAGNIFICATION	Resolution: 640 x 480 Max.~95X Resolution: 1024 x 768 Max.~150X Resolution: 2048 x 1536 Max.~300X Resolution: 2592 x 1944 Max.~380X
DIGITAL MAGNIFICATION	Optical Magnification * max. 6X
GAIN CONTROL	Auto Gain Control
SNAP SHOT MODE	Hardware & Software controllable
WHITE BALANCE	Automatic
POWER SOURCE	5VDC through USB port
O/S	Windows XP SP3, Vista & 7 Mac OSX 10.6 or above
POWER CONSUMPTION	260mA (AVG)
LED LIGHT TYPE	6 UV LEDs (405nm)
WORKING DISTANCE	At 10x, 112mm At 20x, 42mm At 30x, 19mm At 40x, 8.5mm

Part #	Description
26700-205	Digital Mighty Scope 5M - UV
26700-211	Replacement Stand

**30** Up to
FPSFrame/
second**5.0M**Mega
pixels**Max ~
380X**Optical
zoom range

Enables you to examine and differentiate NIR reflective and non-reflective objects and surfaces under magnification for unique contrast analysis without the damaging heat and disruptive glare of traditional lighting



Mighty Scope 5M Near Infrared

Inspect, analyze & measure with ease on your PC

The NIR Mighty Scope enables the user to examine and differentiate NIR reflective and non-reflective objects and surfaces under magnification for unique contrast analysis without the damaging heat and disruptive glare of traditional lighting. The NIR Mighty Scope can be an indispensable analytical tool in law enforcement forensics to identify modified documents, biomedical tissue analysis and pharmaceutical / chemical component differentiation as well as the inspection and documentation of the fine arts and antiquities.

Features

- Easy to use, 6-LED hand-held digital microscope with a USB interface
- LED Operating at Near Infrared Frequency
- High resolution magnification at your fingertips
- Detailed examination of any area you choose
- Active Pixel Technology produces sharp images and accurate color reproduction
- LED's can be turned on or off , brightness control wheel on the body
- Microtouch Shutter trigger allows for convenient image capture when in hand held mode or mounted on a stand
- Includes measurement software and adjustable metal stand
- Optional stands available

DIGITAL NEAR INFRARED **MIGHTY SCOPE 5M**

IMAGE SENSOR	1/4" Color CMOS
EFFECTIVE PIXELS	5.0M
SIGNAL OUTPUT	USB 2.0
FRAMES PER SECOND:	640 x 480: 30fps 1024 x 768 : 30fps 2048 x 1536: 15fps
OPTICAL MAGNIFICATION	Resolution: 640 x 480 Max.~95X Resolution: 1024 x 768 Max.~150X Resolution: 2048 x 1536 Max.~300X Resolution: 2592 x 1944 Max.~380X
DIGITAL MAGNIFICATION	Optical Magnification * max. 6X
GAIN CONTROL	Auto Gain Control
SNAP SHOT MODE	Hardware & Software controllable
WHITE BALANCE	Automatic
POWER SOURCE	5VDC through USB port
O/S	Windows XP SP3, Vista & 7 Mac OSX 10.6 or above
POWER CONSUMPTION	260mA (AVG)
LED LIGHT TYPE	6 LEDs Operating at 850nm
WORKING DISTANCE	At 10x, 112mm At 20x, 42mm At 30x, 19mm At 40x, 8.5mm

Part #	Description
26700-207	Digital Mighty Scope 5M- Near Infrared
26700-211	Replacement Stand



Mighty Scope Pro Pack

Inspect, analyze & measure with ease on your PC

The Mighty Scope Pro Pack features:

The Mighty Scope 1.3M, Mighty Scope 1.3M 500x, Cradle Stand with distance adapters, Metal Stand, Polarizer Adapter (fits 1.3M Scope) and featured-packed Image Capture software.

Mighty Scope 1.3M

- Easy to use hand held digital microscope with USB interface.
- High resolution magnification at your fingertips.
- Active Pixel Technology produces sharp images and accurate color.
- LED's can be turned on or off , brightness control wheel on the body.
- Microtouch Shutter trigger allows for convenient image capture when in hand held mode or mounted on a stand.
- Capture still images and videos.
- Variable working Distance dependent on magnification.

Mighty Scope 1.3M 500x

- Same features as the 1.3M, except the magnification is fixed at 500x.
- Designed for high magnification applications.
- Working Distance: 0 to 3mm.

Metal Stand

- Sturdy metal stand with a 140mm post and 140mm x 130mm metal base.
- Adjustable Height.
- Multi-angle Pivoting Holster.

Cradle Stand

- Large cut-out in the base for easy insertion and removal of objects.
- Two fixed working distance adapters included.
- Ideal for the graphic arts field, coin & stamp collectors, biology, etc.

Polarizer Adapter (Fits 1.3M Scope)

- Attach the polarizer to 1.3M Scope for viewing shiny objects.
- Removes unwanted reflection and glare.

Feature Packed Software

- Capture Images or Video and compare live images with saved images.
- Annotate, Archive and Email images.
- Digital Zoom In/Out to measure lines, circles, angles, rectangles, etc.

Part #	Description
26700-208	Mighty Scope Pro Pack



30 Up to
FPS

Frame/
second

5.0M

Mega
pixels

**Max ~
380X**

Optical
zoom range



Mighty Scope 5M Digital Microscope

Inspect analyze & measure with ease on your PC

Wide range of uses

The Mighty Scope 5M is great for science and engineering work, dermatology, detailed repair, assembly and quality control (i.e. electronics, mechanical, etc), hobbies & collecting (coin, stamp, watch, jewelry, etc.), law enforcement (counterfeit ID, crime lab, etc), entertainment and much more.

Features

- Updated 5 megapixel sensor provides larger images for better viewing
- Easy to use, 6-LED hand-held digital microscope with a USB interface
- High resolution magnification at your fingertips
- Detailed examination of any area you choose
- Active Pixel Technology produces sharp images and accurate color reproduction
- LEDs can be turned on or off, brightness control wheel on the body
- Microtouch Shutter trigger allows for convenient image capture when in hand held mode or mounted on a stand
- Includes measurement software and adjustable metal stand
- Optional stands available

DIGITAL MIGHTY SCOPE 5M

IMAGE SENSOR	1/4" Color CMOS
EFFECTIVE PIXELS	5.0M
SIGNAL OUTPUT	USB 2.0
FRAMES PER SECOND:	640 x 480: 30fps 1024 x 768 : 30fps 2048 x 1536: 15fps
OPTICAL MAGNIFICATION	Resolution: 640 x 480 Max.~95X Resolution: 1024 x 768 Max.~150X Resolution: 2048 x 1536 Max.~300X Resolution: 2592 x 1944 Max.~380X
DIGITAL MAGNIFICATION	Optical Magnification * max. 6X
GAIN CONTROL	Auto Gain Control
SNAP SHOT MODE	Hardware & Software controllable
WHITE BALANCE	Automatic
POWER SOURCE	5VDC through USB port
O/S	Windows XP SP3, Vista & 7 Mac OSX 10.6 or above
POWER CONSUMPTION	260mA (AVG)
LED LIGHT TYPE	6 White LEDs
WORKING DISTANCE	At 10x, 112mm At 20x, 42mm At 30x, 19mm At 40x, 8.5mm

Part #	Description
26700-209	Digital Mighty Scope 5M
26700-211	Replacement Stand



30 Up to
FPS
Frame/
second

5.0M
Mega
pixels

Max ~
380X
Optical
zoom range



Mighty Scope 5M w/Polarizer

Inspect analyze & measure with ease on your PC

Wide range of uses

The Mighty Scope 5M is great for science and engineering work, dermatology, detailed repair, assembly and quality control (i.e. electronics, mechanical, etc), hobbies & collecting (coin, stamp, watch, jewelry, etc.), law enforcement (counterfeit ID, crime lab, etc), entertainment and much more.

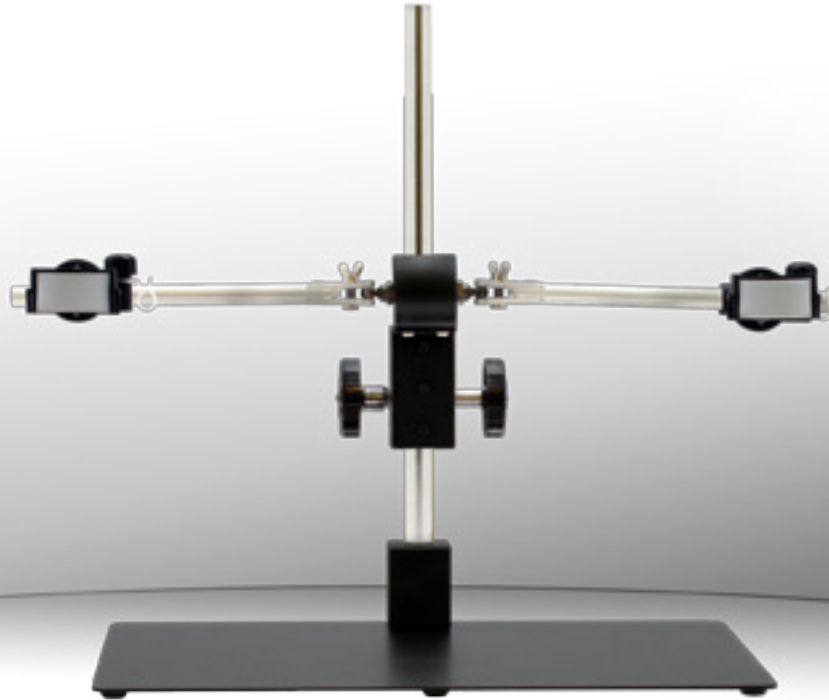
Features

- Updated 5 megapixel sensor provides larger images for better viewing
- Easy to use, 6-LED hand-held digital microscope with a USB interface
- High resolution magnification at your fingertips
- Detailed examination of any area you choose
- Active Pixel Technology produces sharp images and accurate color reproduction
- LEDs can be turned on or off, brightness control wheel on the body
- Microtouch Shutter trigger allows for convenient image capture when in hand held mode or mounted on a stand
- Includes measurement software and adjustable metal stand
- Optional stands available

DIGITAL MIGHTY SCOPE 5M

IMAGE SENSOR	1/4" Color CMOS
EFFECTIVE PIXELS	5.0M
SIGNAL OUTPUT	USB 2.0
FRAMES PER SECOND:	640 x 480: 30fps 1024 x 768 : 30fps 2048 x 1536: 15fps
OPTICAL MAGNIFICATION	Resolution: 640 x 480 Max.~95X Resolution: 1024 x 768 Max.~150X Resolution: 2048 x 1536 Max.~300X Resolution: 2592 x 1944 Max.~380X
DIGITAL MAGNIFICATION	Optical Magnification * max. 6X
GAIN CONTROL	Auto Gain Control
SNAP SHOT MODE	Hardware & Software controllable
WHITE BALANCE	Automatic
POWER SOURCE	5VDC through USB port
O/S	Windows XP SP3, Vista & 7 Mac OSX 10.6 or above
POWER CONSUMPTION	260mA (AVG)
LED LIGHT TYPE	6 White LEDs
WORKING DISTANCE	At 10x, 112mm At 20x, 42mm At 30x, 19mm At 40x, 8.5mm

Part #	Description
26700-209-PLR	Digital Mighty Scope 5M w/Polarizer
26700-211	Replacement Stand



Mighty Scope Dual View Stand

Add a new dimension to Inspection

The Dual View Stand allows you to mount two Mighty Scopes. Plug these Mighty Scopes into your PC and use our MicroViewer Software (supplied with the Mighty Scope) to view two images at the same time. Excellent for viewing a specimen from different angles. The stand offers articulating arms that allow up and down, back and forth movements and rack and pinion focusing for fine adjustments.

MIGHTY SCOPE DUAL VIEW STAND	
LENGTH	300mm (11.75in)
WIDTH	200mm (7.875in)
HEIGHT	300mm (11.75in)
ADJUSTABLE ARM LENGTH	170mm (6.69in)
WORKING DISTANCE	290mm (11.42in)
FINE ADJUSTMENT TRAVEL	41.28mm (1.625in)

Part #	Description
26700-215	Mighty Scope Dual View Stand





Mighty Scope Boom Stand

Great addition for the Mighty Scope

The boom stand is specially designed for the Mighty Scope giving you sturdy, clear images. at various heights and angles while inspecting the object.

MIGHTY SCOPE BOOM STAND	
LENGTH/WIDTH/HEIGHT	200mm/200mm/295mm
ADJUSTABLE ARM LENGTH	250mm
Part #	Description
26700-210	Mighty Scope Boom Stand



Mighty Scope Flex Stand

Great addition for the Mighty Scope

14" Gooseneck Arm allows you to position the Mighty Scope at any angle. Includes the base plate, gooseneck arm, Mighty Scope holder and velcro for wire management.

MIGHTY SCOPE FLEX STAND	
ADJUSTABLE ARM LENGTH	308mm
Part #	Description
26700-212	Mighty Scope Flex Stand

Mighty Scope Accessories



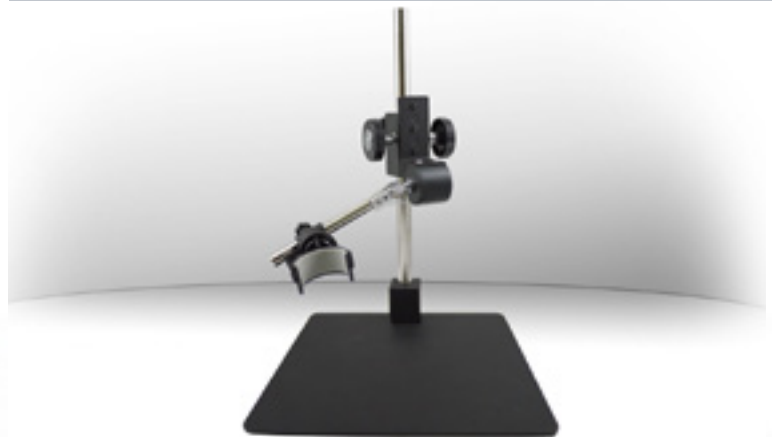
Mighty Scope Cradle Stand

Our cradle stand includes base unit with two insert adaptors providing three "hands free" fixed working distance and magnification options. Ideal for collectors, hobbyists, graphic artists as well as in the home and classroom.

The stand is designed so that the Mighty Scope simply slides into either the base itself for near inspection/ higher magnification or into one or both of the "stackable" insert adaptors for greater working distance/ lower magnification. When using a base+single adaptor an entire USA penny can be viewed while using the base+both adaptors allows an entire USA quarter can be viewed. The clear acrylic cutaway base design allows easy accessibility of tools and light to the observed object.

Please note this cradle stand will not work with our 500x model.

Part #	Description
26700-213	Mighty Scope Cradle Stand



Mighty Scope Stand w/Fine Adjustment

Precision for the Mighty Scope

This stand allows you make fine adjustments and position for optimal results. Invaluable when you need to fine focus on the object being viewed.

MIGHTY SCOPE STAND W/FINE ADJUSTMENT	
LENGTH/WIDTH/HEIGHT	200mm/200mm/300mm
Part #	Description
26700-214	Mighty Scope Stand w/Fine Adjustment



Mighty Scope Polarizer

Designed for use with shiny surfaces, such as solder joints, reflective metal parts, etc. Fits 1.3M Mighty Scopes. Not recommended for 500x Mighty Scope.

Part #	Description
26700-216	Mighty Scope 1.3M Polarizer



Mighty Scope 5M Polarizer

Designed for use with shiny surfaces, such as solder joints, reflective metal parts, etc. Fits 5.0M Mighty Scopes.

Part #	Description
26700-217	Mighty Scope 5M Polarizer

Mighty Scope Accessories

Compatible with the
Mighty Scope & zipScope



3D Stand

Positioning the digital microscope for precise analysis is simple with the 3D Stand's single tension adjustment knob. The 3D stand provides a great range of motion to set up and quickly change the inspection areas around the specimen. The articulating arm and base are made from high-quality anodized aluminum.

Features

- Base Dimension: 110mm x 120mm
- Vertical Post: 150mm
- Horizontal Post: 180mm
- Working Distance: max ~240mm

Part #	Description
26700-312	3D Stand



20 Up to
FPS
Frame/
second

2.0
Mega
pixels

**10x~
270x**
Zoom
range



Snapshot & Brightness Control

Slim Scope

Access and inspect tight spaces

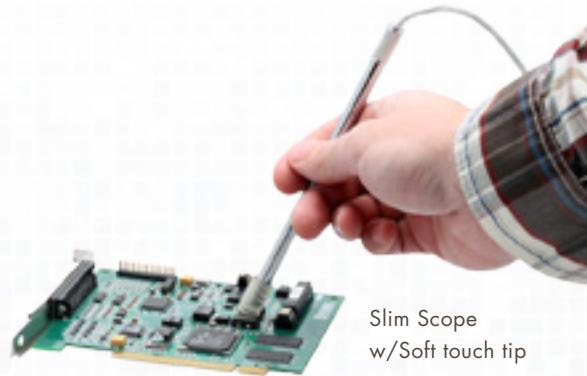
The Slim Scope 8mm outer diameter fits into spaces where most inspection cameras cannot and allows inspection of otherwise inaccessible spaces. Roughly the diameter of most borescopes, it is designed for inspection of those limited access places like engines, machines, pipes, tubes, electronics, as well as all open access places like circuit board surfaces or human tissue.

Each Slim Scope incorporates 6 variable brightness, white LEDs to provide illumination in a wide variety of settings. The Slim utilizes a 2.0M CMOS sensor to capture high-resolution photos and videos. The image capture and variable lighting control is located off the unit and conveniently situated on the USB cable to minimize vibration that could affect image clarity. Magnification ranges from 5X ~ 270X (viewed on a 22" monitor).

The Slim Scope comes equipped with an adjustable aluminum stand, right angle attachment, soft touch tip and software. The multi-function software features, image and video capture, measurement tools and time-lapse photography.

Part #	Description
26700-220	Slim Scope

SLIM SCOPE	
IMAGE SENSOR	2M Color CMOS
EFFECTIVE PIXELS	2.0M
SIGNAL OUTPUT	USB 2.0
VIDEO OUTPUT	20 fps (1600x1200px)
MAGNIFICATION	5X to 270X (320x on 22" Monitor)
GAIN CONTROL	Auto Gain Control
SNAP SHOT MODE	Hardware & Software controllable
WHITE BALANCE	Automatic
POWER SOURCE	5VDC through USB port
O/S	Windows XP SP3, Vista & 7
LED LIGHT TYPE	6 White LEDs
PACKAGE CONTENTS	Mighty Scope Slim Adjustable Stand Right Angle Viewer Soft Touch Tip Software



Slim Scope
w/Soft touch tip



30 Up to
FPS
Frame/
second

2.0
Mega
pixels

**10x~
50x**
Zoom
range



Microscopic world at your fingertips

zipScope USB Digital Microscope

Capture, store and share high quality magnified images and videos

The zipScope is an easy to use USB digital microscope that enables you to see magnified images or videos right on your computer screen. Magnification range is 10x-50x. It has 8 built in LED lights and two light intensity settings, snap shot button for image capture, large focus wheel, and rubberized anti slip coating for durability. An adjustable metal stand and Image & Video capture software is included.

Features

- 2 mega-pixel USB Digital Microscope
- Built in 8 White LED lights with two step intensity control
- Image & Video Capture software included
- Image format: Jpeg, BMP
- Large focus knob
- Magnification range: 10x-50x optical
- Rubberized anti-slip coating for extra durability
- Snap shot button
- Video format: AVI

ZIPSCOPE USB DIGITAL MICROSCOPE	
IMAGE SENSOR	1/2" Color CMOS
IMAGE RESOLUTION	2M
FRAME RATE	30 fps
MAGNIFICATION	10x-50x Optical
SHUTTER SPEED	1 sec to 1/1000 sec
LED LIGHT TYPE	8 White LEDs
EXPOSURE	Automatic
O/S	Windows 7
WHITE BALANCE	Automatic
FOCUS RANGE	Manual, 10mm to 500mm
POWER SOURCE	5 VDC through USB port
WORKING DISTANCE	At 10x, 112mm At 20x, 42mm At 30x, 19mm At 40x, 8.5mm

Part #	Description
26700-300	zipScope – USB Digital Microscope 2M



30 Up to
FPS
Frame/
second

9.0
Mega
pixels

**10x~
50x**
Zoom
range

New 9M sensor brings a new level
of clarity to the microscopic world



zipScope 5M USB Digital Microscope

Capture, store and share high quality magnified images and videos

The New zipScope 9M is the same easy to use USB digital microscope that enables you to see magnified images or videos right on your computer screen with an updated 9 megapixel sensor. A built in adjustable polarizer reduces glare from reflective surfaces. The magnification range is 10x-50x. It has 8 built in LED lights and two light intensity settings, snap shot button for image capture, large focus wheel, and rubberized anti slip coating for durability. An adjustable metal stand and Image & Video capture software is included.

Features

- 9 mega-pixel USB Digital Microscope
- Built in 8 White LED lights with two step intensity control
- Image & Video Capture software included
- Image format: Jpeg, BMP
- Large focus knob
- Magnification range: 10x-50x optical
- Polarizer to reduce glare on reflective surfaces
- Rubberized anti-slip coating for extra durability
- Snap shot button
- Video format: AVI

ZIPSCOPE 9M USB DIGITAL MICROSCOPE	
IMAGE SENSOR	1/2" Color CMOS
IMAGE RESOLUTION	9M
FRAME RATE	30 fps
MAGNIFICATION	10x-50x Optical
SHUTTER SPEED	1 sec to 1/1000 sec
LED LIGHT TYPE	8 White LEDs
EXPOSURE	Automatic
O/S	Windows 7
WHITE BALANCE	Automatic
FOCUS RANGE	Manual, 10mm to 500mm
POWER SOURCE	5 VDC through USB port
WORKING DISTANCE	At 10x, 112mm At 20x, 42mm At 30x, 19mm At 40x, 8.5mm

Part #	Description
26700-302	zipScope – USB Digital Microscope 9M



2.8"
LCD
display

2.0
Mega
pixels

**10x~
200x**
Zoom
range

iLoupe XL² Digital Microscope

Professional quality hand held digital microscope for:

Engineers | Doctors | Scientists | Technical Photography & Crime Specialists | Stamp & Coin Collectors | etc.

Discover the Micro world with this newest innovation from Aven. The iLoupe XL² is one of the lightest, most powerful and compact mobile microscopes in the world today. This palm-size microscope does not require any additional monitors to view subjects, giving the freedom to take it anywhere you need magnification. The unique iLoupe XL² with its full color display allows you to view images in high magnification, take standard photos, record videos, and output on a PC. It can also be used as a web camera. Four bright built-in LEDs with intensity control allow you control the illumination depending on the object being viewed. The included software has powerful measurement function to measure length, perimeter, angle, and area of the object in view.

Features

- Advanced application software
- Built in 2 Gig flash memory
- Inverse, gray and emboss screen mode for extra utility
- Large 2.8" LCD color screen
- Light Source: 4 white LED with brightness control
- Magnification: 10x, 40x (optical) 15x to 200x Digital

ILOUPE XL² DIGITAL MICROSCOPE

EFFECTIVE PIXELS	2M Pixels
IMAGE SENSOR	CMOS Color
IMAGE RESOLUTION	1600 x 1200 (2M)
LCD DISPLAY	2.8" Full Color
MAGNIFICATION / ZOOM	10x, 40x Optical 15x-200x Digital
FILE FORMAT	Movie: AVI Still image: JPEG
VIDEO OUTPUT	PAL / NTSC
STORAGE MEDIA	2GB built-in flash memory
POWER SOURCE	Li-Battery (3.7 V/ 1700 mA)
CHARGE SOURCE	USB port / Adapter
CHARGE TIME	4 hours (using adapter)
OPERATING TIME	Operating: 5 hours Standby: 7 hours
DIMENSIONS	12(L) x 56(W) x 26(H) mm
O/S	Windows 7
ACCESSORIES INCLUDED	Adjustable Stand Carrying Case Cleaning Cloth USB Cable Wrist Strap

Part #	Description
26700-520	iLoupe XL² - Digital Microscope



Universal **Stand** | w/LED Backlight

Compact stand with fine adjustments for precise focusing and measurement

Features

- Compact stand with fine adjustment for precise focusing and measurement
- Built in X-Y Stage with fine adjustment
- Adapter included to allow you to use this stand with a variety of digital microscopes
- Built-in LED backlight powered via USB or 4 AAA batteries. (Cable included for USB power)
- Size of base: 120mm x 110mm
- Size of glass plate: 40mm x 40mm
- Metal clips for holding objects being viewed firmly included.
- Length of Post: 180mm

Part #	Description
26700-311	Universal Stand – w/LED Backlight





Stereo Zoom **Microscopes**

Our stereo zoom and stereo microscopes are manufactured exclusively for Aven by Carton Optical of Japan. Carton Optical has been manufacturing microscopes for over 40 years. Their microscopes have gained a reputation for providing the very best in optical performance, durability, and versatility. With a diverse selection of bodies, stands, and lighting techniques a system can be configured to fit any application.

Stereo Zoom Bodies Feature:

- Crisp high resolution precision optics that provide an erect, non-reversed stereoscopic image
- Binocular eyepieces inclined at 45° for fatigue free viewing
- Diopter adjustments on both eyepieces
- Interpupillary distance adjustment 52mm to 75mm
- Body can be rotated a full 360 degrees and locked in any position
- Trinocular zoom bodies feature a beam splitter. When engaged 100% of the light from the left optical path is directed to the photo tube. The image can still be viewed through the right eye tube

To configure your system select:

1. The microscope body that meets your magnification, field of view and working distance requirements. Note with a combination of eyepieces and auxiliary lens you can tailor a system to meet your requirements.
2. Focusing Mount
3. Stand (please take into account the working distance and the height of the stand)
4. Illumination - Fiber Optic, Fluorescent or LED
5. Camera and or adapter if you are using a trinocular body.
6. Monitor if necessary

Visit aveninc.com to create your own custom Microscope System.

**Best
SELLER**



SPZ-50

Binocular stereo zoom body with 10x eyepieces, rubber eye guards and dust cover

SPZT-50

Trinocular stereo zoom body with 10x eyepieces, rubber eye guards and dust cover

SPZ-50 Series **Scopes**

Features

- Outstandingly large zoom ratio 7.46:1 - best zoom ration in this class
- Magnification range: 6.7x to 50x
- Field of View 34.3mm to 3.6mm (1.35" to 0.14")
- Working distance 108mm (4.25") - the best in this class
- Magnification range of 2.25x to 200x with optional lenses
- 17mm (0.67") high eye point wide field 10x eyepieces (field number 23) for comfortable viewing even for operators with eyeglasses.
- Trinocular version has diopter adjustment on vertical tube for fine focusing of image

* Note specifications mentioned above are with Wide Field 10x eyepieces.

Part #	Description
SPZ-50	SPZ-50 – Binocular Scope
SPZT-50	SPZT-50 – Trinocular Scope

Visit www.aveninc.com to create your own custom Microscope System.

Optical Data

Eyepiece DHW10X (F.N. 23)					
AUXILIARY LENS	Nil	w/0.5x	w/0.75x	w/1.6x	w/2x
MAGNIFICATIONS	6.7x-50x	3.35x-25x	5x-37.5x	10.72x-80x	13.4x-100x
WORKING DIST.	108mm	240mm	132mm	50mm	41mm
FIELD OF VIEW	34.3-4.6mm	68.9-9.2mm	45.7-6.1mm	21.4-2.8mm	7.1-2.3mm

Eyepiece DHW15X (F.N. 15)					
AUXILIARY LENS	Nil	w/0.5x	w/0.75x	w/1.6x	w/2x
MAGNIFICATIONS	10.05x-75x	5.02x-37.5x	7.53x-56.25x	16.08x-120x	20.1x-150x
WORKING DIST.	108mm	240mm	132mm	50mm	41mm
FIELD OF VIEW	22.3-3mm	44.7-6mm	29.8-4mm	16-1.8mm	11.1-1.5mm

Eyepiece DHW20X (F.N. 11.4)					
AUXILIARY LENS	Nil	w/0.5x	w/0.75x	w/1.6x	w/2x
MAGNIFICATIONS	13.4x-100x	6.7x-50x	10.05x-75x	21.44x-160x	26.8x-200x
WORKING DIST.	108mm	240mm	132mm	50mm	41mm
FIELD OF VIEW	17-2.2mm	34-4.5mm	22.6-3mm	10.6-1.4mm	8.5-1.1mm

DSZ-44

Binocular stereo zoom body with 10x wide field eyepieces, Rubber eye guards and dust cover

DSZV-44

Trinocular stereo zoom body with 10x wide field eyepieces, rubber eye guards and dust cover. Allows you to view images thru all three eyepieces at the same time. Supplied with adapters for 1/3" and 1/2" CCD Cameras

DSZ-44 Series Scopes

Features

- Zoom Ratio of 4.4:1
- Magnification range: 10x to 44x
- Field of View of 23mm to 5.3mm (0.90" to 0.20")
- Working distance 90mm (3.54")
- Magnification range of 2.5x to 140.8x with optional lenses
- Wide Field 10x Eyepieces (field number 23)

* Note specifications mentioned above are with Wide Field 10x eyepieces.

Visit www.aveninc.com to create your own custom Microscope System.

Part #	Description
DSZ-44	DSZ-44 – Binocular Scope
DSZV-44	DSZV-44 – Trinocular Scope

Optical Data

Eyepiece DSW5XZ (F.N. 20)				
AUXILIARY LENS	Nil	w/0.5x	w/0.75x	w/1.6x
MAGNIFICATIONS	5x-22x	2.5x-11x	3.75x-16.5x	8x-35.2x
WORKING DIST.	90mm	150mm	105mm	45mm
FIELD OF VIEW	22.5-5.1mm	45-10.2mm	30-6.8mm	14-3.1mm

Eyepiece DSW10XZ (F.N. 20)				
AUXILIARY LENS	Nil	w/0.5x	w/0.75x	w/1.6x
MAGNIFICATIONS	10x-44x	5x-22x	7.5x-33x	16x-70.4x
WORKING DIST.	90mm	150mm	105mm	45mm
FIELD OF VIEW	23-5.2mm	46-10.4mm	30.6-6.9mm	14.3-3.2mm

Eyepiece DSW15X (F.N. 15)				
AUXILIARY LENS	Nil	w/0.5x	w/0.75x	w/1.6x
MAGNIFICATIONS	15x-66x	7.5x-33x	11.25x-49.5x	24x-105.6x
WORKING DIST.	90mm	150mm	105mm	45mm
FIELD OF VIEW	15-3.4mm	30-6.8mm	20-49.5mm	9.3-2.1mm

Eyepiece DSW20X (F.N. 11.4)				
AUXILIARY LENS	Nil	w/0.5x	w/0.75x	w/1.6x
MAGNIFICATIONS	20x-88x	10x-44x	15x-66x	32x-140.8x
WORKING DIST.	90mm	150mm	105mm	45mm
FIELD OF VIEW	11.4-2.5mm	22.8-5.1mm	15.2-3.45mm	7.1-1.6mm



DSZ-70

Binocular stereo zoom body with 10x wide field eyepieces, Rubber eye guards and dust cover



DSZ-70 Series **Scopes**

Features

- For high magnification applications
- Zoom Ratio of 3.5: 1
- Magnification range: 20x to 70x
- Field of View of 10mm to 2.8mm (0.39" to 0.11")
- Working distance 80mm (3.15")
- Magnification range of 5x to 224x with optional lenses
- Wide Field 10x Eyepieces (field number 20)

* Note specifications mentioned above are with Wide Field 10x eyepieces.

Visit www.aveninc.com to create your own custom Microscope System.

Part #	Description
DSZ-70	DSZ-70 – Binocular Scope

Optical Data

Eyepiece DSW10X (F.N. 20)				
AUXILIARY LENS	Nil	w/0.5x	w/0.75x	w/1.6x
MAGNIFICATIONS	20x-70x	10x-35x	15x-52.5x	32x-112x
WORKING DIST.	80mm	120mm	85mm	41mm
FIELD OF VIEW	10-2.8mm	20-5.7mm	13.3-3.8mm	6.2-1.7mm

Eyepiece DSW15X (F.N. 15)				
AUXILIARY LENS	Nil	w/0.5x	w/0.75x	w/1.6x
MAGNIFICATIONS	10.05x-75x	5.02x-37.5x	7.53x-56.25x	20.1x-150x
WORKING DIST.	80mm	120mm	85mm	41mm
FIELD OF VIEW	7.5-2.1mm	15-4.2mm	10-2.8mm	4.6-1.3mm

Eyepiece DSW20X (F.N. 11.4)				
AUXILIARY LENS	Nil	w/0.5x	w/0.75x	w/1.6x
MAGNIFICATIONS	40x-140x	20x-70x	30x-105x	64x-224x
WORKING DIST.	80mm	120mm	85mm	41mm
FIELD OF VIEW	5.7-1.6mm	11.4-3.2mm	7.6-2.1mm	3.5-1mm



SSZ-30

Compact and economical stereo microscopes with outstanding optical performance is a compact body.

SSZ-30 Series **Scopes**

The SSZ-30 binocular body can be mounted on stands DP2/CR, DP/CR and DC2/CR, single and double arm boom stand and our standard stand. Variety of eyepieces, objective lenses and illumination are available to configure a system to meet you requirements.

Features

- 45° inclined eyepiece tubes
- Diopter adjustment on each eyepiece
- Magnification: 7x-30x
- Wide field 10x eyepieces (FN 20)
- Working Distance: 97mm

* Note specifications mentioned above are with Wide Field 10x eyepieces.

Visit www.aveninc.com to create your own custom Microscope System.

Part #	Description
SSZ-30	SSZ-30 – Binocular Scope

Optical Data

Eyepiece | DHW10X (F.N. 23)

AUXILIARY LENS	Nil	w/0.5x	w/0.63x	w/0.75x	w/2x
MAGNIFICATIONS	7x-30x	3.5x-15x	4.41x-18.9x	5.25x-22.5x	13.4x-100x
WORKING DIST.	97mm	180mm	137mm	120mm	30mm
FIELD OF VIEW	28.5-6.6mm	57.1-13.3mm	45.3-10.5mm	38-8.8mm	14.2-3.3mm

Eyepiece | DHW15X (F.N. 15)

AUXILIARY LENS	Nil	w/0.5x	w/0.63x	w/0.75x	w/2x
MAGNIFICATIONS	10.5x-45x	5.25x-22.5x	6.61x-28.35x	7.87x-33.75x	28x-120x
WORKING DIST.	97mm	180mm	137mm	120mm	30mm
FIELD OF VIEW	22.8-5.3mm	45.7-10.6mm	36.2-8.4mm	30.4-7.1mm	5.6-2.6mm

Eyepiece | DHW20X (F.N. 11.4)

AUXILIARY LENS	Nil	w/0.5x	w/0.63x	w/0.75x	w/2x
MAGNIFICATIONS	14x-60x	7x-30x	8.82x-37.8x	10.5x-45x	26.8x-200x
WORKING DIST.	97mm	180mm	137mm	120mm	30mm
FIELD OF VIEW	14.2-3.3mm	28.5-6.6mm	22.6-5.29mm	19-4.4mm	7.1-1.6mm



NSW Series **Scopes**

Features

- Dual Magnification of 6x & 20x, 10x & 20x, 10x & 30x and 20x & 40x bodies available
- 10x Wide Field Eyepieces standard (field number 23)
- Field of View: 38.3mm (1.50") at 6x, 23mm (0.91") at 10x, 11.5mm (0.45") at 20x, 7.6mm (0.30") at 30x and 5.7mm (0.22") at 40x

* Note specifications mentioned above are with Wide Field 10x eyepieces.

Optical Data

Models	NSW-620	NSW-20	NSW-30	NSW-40
MAGNIFICATIONS	6x & 20x	10x & 20x	10x & 30x	20x & 40x
OBJECTIVE LENS	0.6x & 2x	1x & 2x	1x & 3x	2x & 4x
WORKING DISTANCE	113mm	82.5mm	82.5mm	64.3mm
INTERPUPILLARY DISTANCE	52mm-75mm	52mm-75mm	52mm-75mm	52mm-75mm
DIOPTER ADJUSTMENT	+5.6D-.72D	+5.6D-.72D	+5.6D-.72D	+5.6D-.72D

Part #	Description
NSW-20	Dual 10x & 20x – Stereo Body Scope
NSW-30	Dual 10x & 30x – Stereo Body Scope
NSW-40	Dual 20x & 40x – Stereo Body Scope
NSW-620	Dual 6x & 20x – Stereo Body Scope**

* Each Body comes with Wide Field 10x eyepieces, Rubber Eye Guards and dust cover

** NSW-620 will not work with Stand T

Visit www.aveninc.com to create your own custom Microscope System.



Pre-Configured Stereo **Microscope Systems**

Stereo Microscope Systems

Here you will find our most popular stereo microscopes systems. We offer 6 different body styles. If you need a system not shown, you can use our "Create Your System" feature to configure a system to meet your requirements.

Binocular Stereo Zoom Microscope Systems

We offer 4 body types with following magnification ranges: 7x-30x, 10x-44x, 20x-70x and 6.7x to 50x. A variety of stands and illumination options are also available to meet your specific requirements. These microscopes are high precision instruments designed to give you years of trouble free service. You can also use our "Create Your Own System" feature to configure a system to meet your exact requirements.

Trinocular Stereo Zoom Microscope Systems

Our trinocular microscopes allow you to easily mount cameras for viewing images on a monitor and/or capture images using a PC for image manipulation and analysis. Our trinocular bodies can be mounted on a variety of stands and configured with appropriate illumination, camera and monitor to meet your specific requirements.

Visit www.aveninc.com to create your own custom Microscope System.



NSW-30PF Stereo Zoom **Microscope**

Features

- Large stage to accommodate large parts (220 mm x 284 mm)
- A long life and low temperature 9W fluorescent lamp is used for the built-in incident light with intensity control
- Multi-coated optical components, free from chromatic and spherical aberration
- Crystal clear high resolution images

Visit www.aveninc.com to create your own custom Microscope System.

Part #	Description
26800B-361	NSW-30PF Stereo Microscope System

NSW-30PF STEREO MICROSCOPE PRECONFIGURED SYSTEM

ILLUMINATION	9W fluorescent
MAGNIFICATION	10x & 30x
WORKING DISTANCE	82.5mm
STAND TYPE	Pole
BASE DIMENSIONS	220 x 284mm
BODY	Binocular
EYEPIECE	10x
FIELD OF VIEW	23 & 7.6mm
INTERPUPILARY DISTANCE	52-75mm
DIOPTR ADJUSTMENT	Yes
STAGE PLATE	None
POLE HEIGHT	305mm
ACCESSORIES INCLUDED	Dust Cover Rubber Eye Guards Tension Control Pin
OPTIONAL ACCESSORIES	0.75 Auxiliary Lens 1.6x Auxiliary Lens 10x Eyepieces with reticle scales 15x Eyepieces 20x Eyepieces 5x Eyepieces



Add the illumination of your choice.

NSW-30P Stereo Zoom **Microscope**

Features

- Large stage to accommodate large parts (220mm x 284mm)
- Multi-coated optical components, free from chromatic and spherical aberration
- Crystal clear high resolution images

Visit www.aveninc.com to create your own custom Microscope System.

Part #	Description
26800B-362	NSW-30P Stereo Microscope System

NSW-30P STEREO MICROSCOPE PRECONFIGURED SYSTEM	
ILLUMINATION	None
MAGNIFICATION	10x & 30x
WORKING DISTANCE	82.5mm
STAND TYPE	Pole
BASE DIMENSIONS	220 x 284mm
BODY	Binocular
EYEPIECE	10x
FIELD OF VIEW	23 & 7.6mm
INTERPUPILARY DISTANCE	52-75mm
DIOPTR ADJUSTMENT	Yes
STAGE PLATE	None
POLE HEIGHT	305mm
ACCESSORIES INCLUDED	Dust Cover Rubber Eye Guards Tension Control Pin
OPTIONAL ACCESSORIES	0.75 Auxiliary Lens 1.6x Auxiliary Lens 10x Eyepieces with reticle scales 15x Eyepieces 20x Eyepieces 5x Eyepieces



NSW-30L Stereo Zoom **Microscope**

Features

- Long Life Tungsten 20W Incident and Transmitted Illumination
- Multi-coated optical components, free from chromatic and spherical aberration
- Crystal clear high resolution images

Visit www.aveninc.com to create your own custom Microscope System.

Part #	Description
26800B-363	NSW-30L Stereo Microscope System

NSW-30L STEREO MICROSCOPE PRECONFIGURED SYSTEM

ILLUMINATION	Incident Light Tungsten 20W Transmitted Light Tungsten 20W
MAGNIFICATION	10x & 30x
WORKING DISTANCE	82.5mm
STAND TYPE	Column
BASE DIMENSIONS	160 x 219mm
BODY	Binocular
EYEPIECE	10x
FIELD OF VIEW	23 & 7.6mm
INTERPUPILARY DISTANCE	52-75mm
DIOPTER ADJUSTMENT	Yes
STAGE PLATE	Frosted Glass Plate (80mm) Frosted Blue Filter (37mm)
POLE HEIGHT	325mm
ACCESSORIES INCLUDED	Dust Cover Rubber Eye Guards Spare Bulb Tension Control Pin
OPTIONAL ACCESSORIES	0.75 Auxiliary Lens 1.6x Auxiliary Lens 10x Eyepieces with reticle scales 15x Eyepieces 20x Eyepieces 5x Eyepieces



NSW-30 LED Efficient **Microscope**

Features

- Large stage to accommodate large parts (220 mm x 284 mm)
- Pole stand with built-in LED ring light and intensity control
- Multi-coated optical components, free from chromatic and spherical aberration
- Crystal clear high resolution images

Visit www.aveninc.com to create your own custom Microscope System.

Part #	Description
26800B-399	NSW-30 LED Microscope System

NSW-30 LED MICROSCOPE PRECONFIGURED SYSTEM

ILLUMINATION	LED Ring Light
MAGNIFICATION	10x & 30x
WORKING DISTANCE	82.5mm
STAND TYPE	Pole Type with built-in LED illuminator with dimmer control
BASE DIMENSIONS	220 x 284mm
BODY	Binocular
EYEPIECE	10x
FIELD OF VIEW	23 & 7.6mm
INTERPUPILARY DISTANCE	52-75mm
DIOPTER ADJUSTMENT	Yes
STAGE PLATE	None
POLE HEIGHT	305mm
ACCESSORIES INCLUDED	Dust Cover Rubber Eye Guards Tension Control Pin
OPTIONAL ACCESSORIES	0.75 Auxiliary Lens 1.6x Auxiliary Lens 10x Eyepieces with reticle scales 15x Eyepieces 20x Eyepieces 5x Eyepieces



NSW-20T Stereo Zoom **Microscope**

Features

- A long life and low temperature 9W fluorescent lamp is used for the built-in incident light
- Multi-coated optical components, free from chromatic and spherical aberration
- Crystal clear high resolution images

Visit www.aveninc.com to create your own custom Microscope System.

Part #	Description
26800B-364	NSW-20T Stereo Microscope System

NSW-20T STEREO MICROSCOPE PRECONFIGURED SYSTEM

ILLUMINATION	9W fluorescent Transmitted Light Tungsten 20W
MAGNIFICATION	10x & 20x
WORKING DISTANCE	82.5mm
STAND TYPE	Column
BASE DIMENSIONS	160 x 219mm
BODY	Binocular
EYEPIECE	10x
FIELD OF VIEW	23 & 7.6mm
INTERPUPILARY DISTANCE	52–75mm
DIOPTR ADJUSTMENT	Yes
STAGE PLATE	Frosted Glass Plate (80mm) Frosted Blue Filter (37mm)
POST HEIGHT	325mm
ACCESSORIES INCLUDED	Dust Cover Rubber Eye Guards Spare Bulb Tension Control Pin
OPTIONAL ACCESSORIES	0.75 Auxiliary Lens 1.6x Auxiliary Lens 10x Eyepieces with reticle scales 15x Eyepieces 20x Eyepieces 5x Eyepieces



NSW-620PF Stereo Zoom **Microscope**

Features

- Large stage to accommodate large parts (220 mm x 284 mm)
- A long life and low temperature 9w fluorescent lamp is used for the built-in incident light and intensity control
- Multi-coated optical components, free from chromatic and spherical aberration
- Crystal clear high resolution images

Visit www.aveninc.com to create your own custom Microscope System.

Part #	Description
26800B-365	NSW-620PF Stereo Microscope System

NSW-620PF STEREO MICROSCOPE PRECONFIGURED SYSTEM

ILLUMINATION	9W fluorescent
MAGNIFICATION	6x & 20x
WORKING DISTANCE	82.5mm
STAND TYPE	Pole
BASE DIMENSIONS	220 x 284mm
BODY	Binocular
EYEPIECE	10x
FIELD OF VIEW	38.3 & 7.6mm
INTERPUPILARY DISTANCE	52-75mm
DIOPTER ADJUSTMENT	Yes
STAGE PLATE	None
POLE HEIGHT	325mm
ACCESSORIES INCLUDED	Dust Cover Rubber Eye Guards Tension Control Pin
OPTIONAL ACCESSORIES	0.75 Auxiliary Lens 1.6x Auxiliary Lens 10x Eyepieces with reticle scales 15x Eyepieces 20x Eyepieces 5x Eyepieces



DSZ-44 Stereo Zoom **Microscope**

Features

- Superior optics & reliable mechanical components
- Magnification: 10x to 44x
- Magnification range with optional lenses: 2.5x to 140.8x
- Multi-coated optical components, free from chromatic and spherical aberration
- Crystal clear high resolution images
- Stand T with 9W incident fluorescent and 20 watt tungsten transmitted illumination
- Stage: 220mm x 284mm

Visit www.aveninc.com to create your own custom Microscope System.

Part #	Description
26800B-301	DSZ-44 Stereo Microscope System

DSZ-44 STEREO MICROSCOPE PRECONFIGURED SYSTEM

MAGNIFICATION	10x to 44x
ZOOM RATIO	4.4:1
ILLUMINATION	9W fluorescent Transmitted Light Tungsten 20W
EYEPIECE	10x Wide Field (FN: 23)
OBJECTIVE LENSES	1.0x to 4.4x
WORKING DISTANCE	90mm
FIELD OF VIEW	23 to 5.2mm
BODY	45° inclined eyepiece tube – Binocular
INTERPUPILARY DISTANCE	52 to 75mm
DIOPTER ADJUSTMENT	+5.6D - 7.2D on both eyepieces
STAND TYPE	Column
STAGE PLATE	Frosted Glass (80mm) Frosted Blue Filter (37mm)
BASE DIMENSION	160 x 219mm
POLE HEIGHT	352mm
ACCESSORIES INCLUDED	Dust Cover Rubber Eye Guards Spare Bulb Tension Control Pin
OPTIONAL ACCESSORIES	0.5x Auxiliary Lens 0.75x Auxiliary Lens 1.6x Auxiliary Lens 10x Eyepieces with reticle scales 15x Eyepieces 20x Eyepieces 5x Eyepieces



DSZ-44PF Stereo Zoom **Microscope**

Features

- Superior optics & reliable mechanical components
- Magnification: 10x to 44x
- Magnification range with optional lenses: 2.5x to 140.8x
- Multi-coated optical components, free from chromatic and spherical aberration
- Crystal clear high resolution images
- Pole stand with built-in 9W illumination with intensity control and coarse and fine focus
- Large base: 220mm x 284mm

Visit www.aveninc.com to create your own custom Microscope System.

Part #	Description
26800B-302	DSZ-44PF Stereo Microscope System

DSZ-44PF STEREO MICROSCOPE PRECONFIGURED SYSTEM

MAGNIFICATION	10x to 44x
ZOOM RATIO	4.4:1
ILLUMINATION	9W fluorescent
EYEPIECE	10x Wide Field (FN: 23)
OBJECTIVE LENSES	1.0x to 4.4x
WORKING DISTANCE	90mm
FIELD OF VIEW	23 to 5.2mm
BODY	45° inclined eyepiece tube – Binocular
INTERPUPILARY DISTANCE	52 to 75mm
DIOPTER ADJUSTMENT	+5.6D - 7.2D on both eyepieces
STAND TYPE	Pole
STAGE PLATE	X
BASE DIMENSION	220 x 284mm
POLE HEIGHT	327mm
ACCESSORIES INCLUDED	Dust Cover Rubber Eye Guards Tension Control Pin
OPTIONAL ACCESSORIES	0.5x Auxiliary Lens 0.75x Auxiliary Lens 1.6x Auxiliary Lens 15x Eyepieces 20x Eyepieces 5x Eyepieces Lens Cover



DSZ-44 LED Efficient **Microscope**

Features

- Superior optics & reliable mechanical components
- Magnification: 10x to 44x
- Magnification range with optional lenses: 2.5x to 140.8x
- Multi-coated optical components, free from chromatic and spherical aberration
- Crystal clear high resolution images
- Pole stand with built-in LED ring light
- Large base: 220mm x 284mm

Visit www.aveninc.com to create your own custom Microscope System.

Part #	Description
26800B-397	DSZ-44 LED Microscope System

DSZ-44 LED MICROSCOPE PRECONFIGURED SYSTEM

MAGNIFICATION	10x to 44x
ZOOM RATIO	4.4:1
ILLUMINATION	LED Ring Light
EYEPIECE	10x Wide Field (FN: 23)
OBJECTIVE LENSES	1.0x to 4.4x
WORKING DISTANCE	90mm
FIELD OF VIEW	23 to 5.2mm
BODY	45° inclined eyepiece tube – Binocular
INTERPUPILARY DISTANCE	52 to 75mm
DIOPTRIC ADJUSTMENT	+5.6D - 7.2D on both eyepieces
STAND TYPE	Pole Type with built-in LED illuminator with dimmer control
STAGE PLATE	X
BASE DIMENSION	220 x 284mm
POLE HEIGHT	250mm
ACCESSORIES INCLUDED	Dust Cover Rubber Eye Guards Tension Control Pin
OPTIONAL ACCESSORIES	0.5x Auxiliary Lens 0.75x Auxiliary Lens 1.6x Auxiliary Lens 15x Eyepieces 20x Eyepieces 5x Eyepieces Lens Cover



DSZ-44 Stereo Zoom **Microscope** w/Boom Stand

Features

- Superior optics & reliable mechanical components
- Magnification Range: 10x to 44x
- Magnification range with optional lenses: 2.5x to 140.8x
- Multi-coated optical components, free from chromatic and spherical aberration
- Crystal clear high resolution images
- Single arm boom stand with focus mount

To complete your system you will need Illumination. Choose from Fiber Optic, Fluorescent or LED. Ring Light Adapter 26800B-460 is required to mount ring lights to the microscope body

Visit www.aveninc.com to create your own custom Microscope System.

Part #	Description
26800B-303	DSZ-44 Stereo Microscope System

DSZ-44 STEREO MICROSCOPE PRECONFIGURED SYSTEM

MAGNIFICATION	10x to 44x
ZOOM RATIO	4.4:1
ILLUMINATION	None
EYEPIECE	10x Wide Field (FN: 23)
OBJECTIVE LENSES	1.0x to 4.4x
WORKING DISTANCE	90mm
FIELD OF VIEW	23 to 5.2mm
BODY	45° inclined eyepiece tube – Binocular
INTERPUPILARY DISTANCE	52 to 75mm
DIOPTER ADJUSTMENT	+5.6D - 7.2D on both eyepieces
STAND TYPE	Single Arm Boom Stand
STAGE PLATE	X
BASE DIMENSION	254 x 254 x 19mm
POLE HEIGHT	406mm
ACCESSORIES INCLUDED	Dust Cover Rubber Eye Guards Tension Control Pin
OPTIONAL ACCESSORIES	0.5x Auxiliary Lens 0.75x Auxiliary Lens 1.6x Auxiliary Lens 15x Eyepieces 20x Eyepieces 5x Eyepieces Lens Cover



DSZ-44P Stereo Zoom **Microscope**

Features

- Superior optics & reliable mechanical components
- Magnification Range: 10x to 44x
- Magnification range with optional lenses: 2.5x to 140.8x
- Multi-coated optical components, free from chromatic and spherical aberration
- Crystal clear high resolution images
- Pole stand with large base: 220mm x 284mm

To complete your system you will need Illumination. Choose from Fiber Optic, Fluorescent or LED. Ring Light Adapter 26800B-460 is required to mount ring lights to the microscope body.

Visit www.aveninc.com to create your own custom Microscope System.

Part #	Description
26800B-305	DSZ-44P Stereo Microscope System

DSZ-44P STEREO MICROSCOPE PRECONFIGURED SYSTEM

MAGNIFICATION	10x to 44x
ZOOM RATIO	4.4:1
ILLUMINATION	None
EYEPIECE	10x Wide Field (FN: 23)
OBJECTIVE LENSES	1.0x to 4.4x
WORKING DISTANCE	90mm
FIELD OF VIEW	23 to 5.2mm
BODY	45° inclined eyepiece tube – Binocular
INTERPUPILARY DISTANCE	52 to 75mm
DIOPTER ADJUSTMENT	+5.6D - 7.2D on both eyepieces
STAND TYPE	Pole
STAGE PLATE	X
BASE DIMENSION	220 x 284mm
POLE HEIGHT	372mm
ACCESSORIES INCLUDED	Dust Cover Rubber Eye Guards Tension Control Pin
OPTIONAL ACCESSORIES	0.5x Auxiliary Lens 0.75x Auxiliary Lens 1.6x Auxiliary Lens 15x Eyepieces 20x Eyepieces 5x Eyepieces Lens Cover



DSZ-70PFL Stereo Zoom Microscope

Features

- High power magnification range: 20x to 70x
- Superior optics & reliable mechanical components
- Magnification range with optional lenses: 5x to 224x
- Multi-coated optical components, free from chromatic and spherical aberration
- Crystal clear high resolution images
- Pole stand with built-in 9W illumination with intensity control
- Large base: 220mm x 284mm

Visit www.aveninc.com to create your own custom Microscope System.

Part #	Description
26800B-340	DSZ-70PFL Stereo Microscope System

DSZ-70PFL STEREO MICROSCOPE PRECONFIGURED SYSTEM

MAGNIFICATION	20x to 70x
ZOOM RATIO	3.5:1
ILLUMINATION	9W fluorescent
EYEPIECE	10x Wide Field (FN: 20)
OBJECTIVE LENSES	1.0x to 4.4x
WORKING DISTANCE	80mm
FIELD OF VIEW	10 to 2.8mm
BODY	45° inclined eyepiece tube – Binocular
INTERPUPILARY DISTANCE	52 to 75mm
DIOPTER ADJUSTMENT	+5.6D - 7.2D on both eyepieces
STAND TYPE	Pole
STAGE PLATE	X
BASE DIMENSION	220 x 284mm
POLE HEIGHT	327mm
ACCESSORIES INCLUDED	Dust Cover Rubber Eye Guards Tension Control Pin
OPTIONAL ACCESSORIES	0.5x Auxiliary Lens 0.75x Auxiliary Lens 1.6x Auxiliary Lens 10x Eyepieces with reticle scales 15x Eyepieces 20x Eyepieces 5x Eyepieces Lens Cover



DSZ-70 Stereo Zoom **Microscope** w/Boom Stand

Features

- High power magnification range: 20x to 70x
- Superior optics & reliable mechanical components
- Magnification range with optional lenses: 5x to 224x
- Multi-coated optical components, free from chromatic and spherical aberration
- Crystal clear high resolution images
- Single arm boom stand with focus mount

To complete your system you will need Illumination. Choose from Fiber Optic, Fluorescent or LED. Ring Light Adapter 26800B-460 is required to mount ring lights to the microscope body.

Visit www.aveninc.com to create your own custom Microscope System.

Part #	Description
26800B-341	DSZ-70 Stereo Microscope System

DSZ-70 STEREO MICROSCOPE PRECONFIGURED SYSTEM

MAGNIFICATION	20x to 70x
ZOOM RATIO	3.5:1
ILLUMINATION	None
EYEPIECE	10x Wide Field (FN: 20)
OBJECTIVE LENSES	2.0x to 7.0x
WORKING DISTANCE	80mm
FIELD OF VIEW	10 to 2.8mm
BODY	45° inclined eyepiece tube – Binocular
INTERPUPILARY DISTANCE	52 to 75mm
DIOPTER ADJUSTMENT	+5.6D - 7.2D on both eyepieces
STAND TYPE	Single Arm Boomstand
STAGE PLATE	X
BASE DIMENSION	254 x 254 x 19mm
POLE HEIGHT	406mm
ACCESSORIES INCLUDED	Dust Cover Rubber Eye Guards Tension Control Pin
OPTIONAL ACCESSORIES	0.5x Auxiliary Lens 0.75x Auxiliary Lens 1.6x Auxiliary Lens 15x Eyepieces 20x Eyepieces 5x Eyepieces Lens Cover



DSZ-70P Stereo Zoom **Microscope**

Features

- High power magnification range: 20x to 70x
- Superior optics & reliable mechanical components
- Magnification range with optional lenses: 5x to 224x
- Multi-coated optical components, free from chromatic and spherical aberration
- Crystal clear high resolution images
- Pole stand with large base: 220 x 284mm

To complete your system you will need Illumination. Choose from Fiber Optic, Fluorescent or LED. Ring Light Adapter 26800B-460 is required to mount ring lights to the microscope body.

Visit www.aveninc.com to create your own custom Microscope System.

Part #	Description
26800B-344	DSZ-70P Stereo Microscope System

DSZ-70P STEREO MICROSCOPE PRECONFIGURED SYSTEM

MAGNIFICATION	20x to 70x
ZOOM RATIO	3.5:1
ILLUMINATION	None
EYEPIECE	10x Wide Field (FN: 20)
OBJECTIVE LENSES	2.0x to 7.0x
WORKING DISTANCE	80mm
FIELD OF VIEW	10 to 2.8mm
BODY	45° inclined eyepiece tube – Binocular
INTERPUPILARY DISTANCE	52 to 75mm
DIOPTER ADJUSTMENT	+5.6D - 7.2D on both eyepieces
STAND TYPE	Pole
STAGE PLATE	X
BASE DIMENSION	220 x 284 mm
POLE HEIGHT	372mm
ACCESSORIES INCLUDED	Dust Cover Rubber Eye Guards Tension Control Pin
OPTIONAL ACCESSORIES	0.5x Auxiliary Lens 0.75x Auxiliary Lens 1.6x Auxiliary Lens 10x Eyepieces with reticle scales 15x Eyepieces 20x Eyepieces 5x Eyepieces Lens Cover



SPZ-50 Stereo Zoom **Microscope** w/Double Arm Boom Stand

Features

- Best in class zoom ratio
- Magnification: 6.7x to 50x
- Large magnification range with optional lenses: 3.5x to 200x
- Multi-coated optical components, free from chromatic and spherical aberration
- Crystal clear high resolution images
- Double Arm Easy Glide Boom Stand with Focus Mount

To complete your system you will need Illumination. Choose from Fiber Optic, Fluorescent or LED. Ring Light Adapter 26800B-460 is required to mount ring lights to the microscope body.

Visit www.aveninc.com to create your own custom Microscope System.

Part #	Description
26800B-370	SPZ-50 Stereo Microscope System

SPZ-50 STEREO MICROSCOPE PRECONFIGURED SYSTEM

MAGNIFICATION	6.7x to 50x
ZOOM RATIO	7.46:1
ILLUMINATION	None
EYEPIECE	10x Wide Field (FN: 23)
OBJECTIVE LENSES	0.67x to 5.0x
WORKING DISTANCE	108mm
FIELD OF VIEW	34.3 to 3.5 mm
BODY	45° inclined eyepiece tube – Binocular
INTERPUPILARY DISTANCE	52 to 75mm
DIOPTER ADJUSTMENT	+/- 7.2D on both eyepieces
STAND TYPE	Double Arm Boom Stand
STAGE PLATE	X
BASE DIMENSION	285 x 260 x 32mm
POLE HEIGHT	380 mm Included Extension Post: 225 mm
ACCESSORIES INCLUDED	Dust Cover Rubber Eye Guards Tension Control Pin
OPTIONAL ACCESSORIES	0.5x Auxiliary Lens 0.75x Auxiliary Lens 1.6x Auxiliary Lens 2x Auxiliary Lens 10x Eyepieces w/ reticle scales 15x Eyepieces 20x Eyepieces Lens Cover



SPZ-50PFM Stereo Zoom **Microscope**

Features

- Best in class zoom ratio
- Magnification: 6.7x to 50x
- Large magnification range with optional lenses: 3.5x to 200x
- Multi-coated optical components, free from chromatic and spherical aberration
- Crystal clear high resolution images
- Pole stand with built-in fluorescent illumination with intensity control
- Large base: 220mm x 284mm

Visit www.aveninc.com to create your own custom Microscope System.

Part #	Description
26800B-371	SPZ-50PFM Stereo Microscope System

SPZ-50PFM STEREO MICROSCOPE PRECONFIGURED SYSTEM

MAGNIFICATION	6.7x to 50x
ZOOM RATIO	7.46:1
ILLUMINATION	9W fluorescent
EYEPIECE	10x Wide Field (FN: 23)
OBJECTIVE LENSES	0.67x to 5.0x
WORKING DISTANCE	108mm
FIELD OF VIEW	34.3 to 3.5 mm
BODY	45° inclined eyepiece tube – Binocular
INTERPUPILARY DISTANCE	52 to 75mm
DIOPTER ADJUSTMENT	+/- 7.2D on both eyepieces
STAND TYPE	Pole
STAGE PLATE	X
BASE DIMENSION	220 x 284 mm
POLE HEIGHT	372mm
ACCESSORIES INCLUDED	Dust Cover Rubber Eye Guards Tension Control Pin
OPTIONAL ACCESSORIES	0.75x Auxiliary Lens 1.6x Auxiliary Lens 2x Auxiliary Lens 10x Eyepieces w/reticle scales 15x Eyepieces 20x Eyepieces Lens Cover



SPZ-50P Stereo Zoom **Microscope**

Features

- Best in class zoom ratio
- Magnification: 6.7x to 50x
- Large magnification range with optional lenses: 3.5x to 200x
- Multi-coated optical components, free from chromatic and spherical aberration
- Crystal clear high resolution images
- Pole stand with large base: 220mm x 284mm

To complete your system you will need Illumination. Choose from Fiber Optic, Fluorescent or LED. Ring Light Adapter 26800B-460 is required to mount ring lights to the microscope body.

Visit www.aveninc.com to create your own custom Microscope System.

Part #	Description
26800B-372	SPZ-50P Stereo Microscope System

SPZ-50P STEREO MICROSCOPE PRECONFIGURED SYSTEM

MAGNIFICATION	6.7x to 50x
ZOOM RATIO	7.46:1
ILLUMINATION	None
EYEPIECE	10x Wide Field (FN: 23)
OBJECTIVE LENSES	0.67x to 5.0x
WORKING DISTANCE	108mm
FIELD OF VIEW	34.3 to 3.5 mm
BODY	45° inclined eyepiece tube – Binocular
INTERPUPILARY DISTANCE	52 to 75mm
DIOPTER ADJUSTMENT	+/- 7.2D on both eyepieces
STAND TYPE	Pole
STAGE PLATE	X
BASE DIMENSION	220 x 284 mm
POLE HEIGHT	372mm
ACCESSORIES INCLUDED	Dust Cover Rubber Eye Guards Tension Control Pin
OPTIONAL ACCESSORIES	0.75x Auxiliary Lens 1.6x Auxiliary Lens 2x Auxiliary Lens 10x Eyepieces w/reticle scales 15x Eyepieces 20x Eyepieces Lens Cover



SPZ-50 LED Efficient **Microscope**

Features

- Best in class zoom ratio
- Magnification: 6.7x to 50x
- Large magnification range with optional lenses: 3.5x to 200x
- Multi-coated optical components, free from chromatic and spherical aberration
- Crystal clear high resolution images
- Pole stand with built-in LED ring light and intensity control
- Pole stand with large base: 220mm x 284mm

Visit www.aveninc.com to create your own custom Microscope System.

Part #	Description
26800B-395	SPZ-50 LED Microscope

SPZ-50 LED MICROSCOPE PRECONFIGURED SYSTEM

MAGNIFICATION	6.7x to 50x
ZOOM RATIO	7.46:1
ILLUMINATION	LED Ring Light
EYEPIECE	10x Wide Field (FN: 23)
OBJECTIVE LENSES	0.67x to 5.0x
WORKING DISTANCE	108mm
FIELD OF VIEW	34.3 to 3.5 mm
BODY	45° inclined eyepiece tube – Binocular
INTERPUPILARY DISTANCE	52 to 75mm
DIOPTER ADJUSTMENT	+/- 7.2D on both eyepieces
STAND TYPE	Pole Type with built-in LED illuminator with dimmer control
STAGE PLATE	X
BASE DIMENSION	220 x 284 mm
POLE HEIGHT	250mm
ACCESSORIES INCLUDED	Dust Cover Rubber Eye Guards Tension Control Pin
OPTIONAL ACCESSORIES	0.75x Auxiliary Lens 1.6x Auxiliary Lens 2x Auxiliary Lens 10x Eyepieces w/reticle scales 15x Eyepieces 20x Eyepieces Lens Cover



SSZ-30 Stereo Zoom **Microscope** w/Stand DP2/CR

Our New SSZ-30 Stereo Zoom Microscopes offers exceptional value with 7x-30x zoom power and eco-friendly long life LED illumination. Ideal for all applications that require both quality and affordable microscopes. Also available with a boom stand.

Visit www.aveninc.com to create your own custom Microscope System.

Part #	Description
26800B-391	SSZ-30 w/Stand DP2/CR

SSZ-30 W/STAND DP2/CR PRECONFIGURED SYSTEM

MAGNIFICATION	7x to 30x
ZOOM RATIO	X
ILLUMINATION	Bottom: White LED Dimmable Top: White LED Dimmable
EYEPIECE	10x Wide Field (FN: 20)
OBJECTIVE LENSES	0.7x to 3x
WORKING DISTANCE	97mm
FIELD OF VIEW	30x (6.7mm) 7x (28.6mm)
BODY	Binocular
INTERPUPILARY DISTANCE	52 to 75mm
DIOPTR ADJUSTMENT	+5.6D -7.2D on both eyepieces
STAND TYPE	Pole
STAGE PLATE	Frosted Glass Plate, black/white reversible
BASE DIMENSION	210 x 278mm
POLE HEIGHT	330mm
ACCESSORIES INCLUDED	Dust Cover Power Supply Stage Plate
OPTIONAL ACCESSORIES	0.5x Auxiliary Lens 0.63 Auxiliary lens 0.75x Auxiliary Lens 15x Eyepieces 20x Eyepieces 2x Auxiliary Lens



SSZ-30 Stereo Zoom **Microscope** w/Stand DP/CR

Features

- SSZ-30 Stereo Zoom Microscope Body 7x-30x with 10x eyepieces
 - Stand DP/CR
- Illumination is not included in this system. You can add LED, Fluorescent or Fiber Optic Illumination to this system.

Visit www.aveninc.com to create your own custom Microscope System.

Part #	Description
26800B-392	SSZ-30 w/Stand DP/CR

SSZ-30 W/STAND DP/CR PRECONFIGURED SYSTEM

MAGNIFICATION	7x to 30x
ZOOM RATIO	X
ILLUMINATION	None
EYEPIECE	10x Wide Field (FN: 20)
OBJECTIVE LENSES	0.7x to 3x
WORKING DISTANCE	97mm
FIELD OF VIEW	30x (6.7mm) 7x (28.6mm)
BODY	Binocular
INTERPUPILARY DISTANCE	52 to 75mm
DIOPTER ADJUSTMENT	+5.6D -7.2D on both eyepieces
STAND TYPE	Pole
STAGE PLATE	Black/White reversible
BASE DIMENSION	210 x 278mm
POLE HEIGHT	305mm
ACCESSORIES INCLUDED	Dust Cover Power Supply Stage Plate
OPTIONAL ACCESSORIES	0.5x Auxiliary Lens 0.63 Auxiliary lens 0.75x Auxiliary Lens 15x Eyepieces 20x Eyepieces 2x Auxiliary Lens



SSZ-30 Stereo Zoom **Microscope** w/Stand DC2/CR

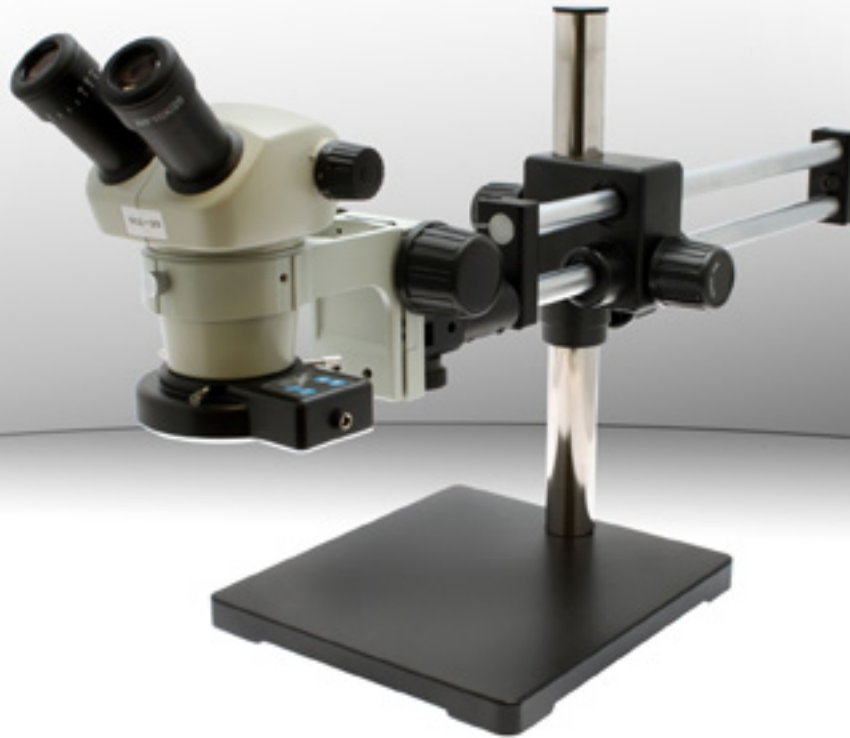
Our New SSZ-30 Stereo Zoom Microscopes offers exceptional value with 7x-30x zoom power and eco-friendly long life LED illumination. Ideal for all applications that require both quality and affordable microscopes. Also available with a boom stand.

Visit www.aveninc.com to create your own custom Microscope System.

Part #	Description
26800B-393	SSZ-30 w/Stand DC2/CR

SSZ-30 W/STAND DC2/CR PRECONFIGURED SYSTEM

MAGNIFICATION	7x to 30x
ZOOM RATIO	X
ILLUMINATION	Bottom: White LED Dimmable Top: White LED Dimmable
EYEPIECE	10x Wide Field (FN: 20)
OBJECTIVE LENSES	0.7x to 3x
WORKING DISTANCE	97mm
FIELD OF VIEW	30x (6.7mm) 7x (28.6mm)
BODY	Binocular
INTERPUPILARY DISTANCE	52 to 75mm
DIOPTER ADJUSTMENT	+5.6D -7.2D on both eyepieces
STAND TYPE	Column
STAGE PLATE	Frosted Glass Plate, Black/White reversible
BASE DIMENSION	210 x 278mm
POLE HEIGHT	330mm
ACCESSORIES INCLUDED	Dust Cover Power Supply Stage Plate
OPTIONAL ACCESSORIES	0.5x Auxiliary Lens 0.63 Auxiliary lens 0.75x Auxiliary Lens 15x Eyepieces 20x Eyepieces 2x Auxiliary Lens



SSZ-30 Stereo Zoom **Microscope** w/Boom Stand

This package offers you an exceptional value. You get a high quality stereo zoom microscope with a magnification range of 7x-30x mounted on dual arm boom stand with our E-Arm focus mount, an LED ring light with 4 sector and intensity control, and a 0.5x auxiliary lens for applications requiring a larger working distance.

Features

- 194mm working distance with included 0.5x lenses
- 97mm working distance
- Dual arm boom stand provides ultra smooth movement
- LED ring light with sector and intensity control
- SSZ-30 high quality stereo zoom body

Visit www.aveninc.com to create your own custom Microscope System.

Part #	Description
26800B-394	SSZ-30 w/Boom Stand Package

SSZ-30 W/BOOM STAND PRECONFIGURED SYSTEM

MAGNIFICATION	7x to 30x
ZOOM RATIO	4.28:1
ILLUMINATION	LED
EYEPIECE	10x Wide Field (FN: 20)
OBJECTIVE LENSES	0.5x
WORKING DISTANCE	97mm
FIELD OF VIEW	30x (6.7mm) 7x (28.6mm)
BODY	Binocular
INTERPUPILARY DISTANCE	52 to 75mm
DIOPTER ADJUSTMENT	+5.6D -7.2D on both eyepieces
STAND TYPE	Double arm boom stand
STAGE PLATE	X
BASE DIMENSION	X
POLE HEIGHT	X
ACCESSORIES INCLUDED	Dust Cover Power Supply Stage Plate
OPTIONAL ACCESSORIES	0.5x Auxiliary Lens 0.63 Auxiliary lens 0.75x Auxiliary Lens 15x Eyepieces 20x Eyepieces 2x Auxiliary Lens



SPZT-50 Stereo Zoom **Microscope** w/Digital Imaging

Features

- Magnification: 6.7x to 50x
- Working distance: 108mm (216mm with the 0.5x lens included with the system)
- 3MP USB digital color camera with feature packed image capture and measurement software
- Dual arm boom stand for ease of use
- Fiber optic illumination (fluorescent or LED with sector control also available)

Visit www.aveninc.com to create your own custom Microscope System.

Part #	Description
26800B-369	SPZT-50 Microscope System

SPZT-50 MICROSCOPE PRECONFIGURED SYSTEM

MAGNIFICATION	6.7x to 50x
ZOOM RATIO	7.46:1
ILLUMINATION	Fiber Optic Illuminator with Ring Light
EYEPIECE	10x Wide Field (FN: 23)
OBJECTIVE LENSES	0.67x to 5.0x
WORKING DISTANCE	108mm (216mm w/0.5x lens)
FIELD OF VIEW	X
BODY	45° inclined eyepiece tube – Trinocular
INTERPUPILARY DISTANCE	52 to 75mm
DIOPTER ADJUSTMENT	+/- 7.2D on both eyepieces
STAND TYPE	Dual Arm Boom Stand
STAGE PLATE	X
BASE DIMENSION	X
POLE HEIGHT	X
ACCESSORIES INCLUDED	0.5x Auxiliary Lens 3 MP USB 2.0 Color Digital Camera C-Mount Camera Adapter Plastic Cover Ring Light Adapter Image Capture & Measurement Software Rubber Eye Guards Tension Control Pin
OPTIONAL ACCESSORIES	0.75x Auxiliary lens 1.6x Auxiliary Lens 10x Eyepieces with reticle scales 15x Eyepieces 20x Eyepieces 2x Auxiliary lens Lens Cover



SPZT-50PFM Stereo Zoom Trinocular **Microscope**

Features

- Best in class zoom ratio
- Magnification range: 6.7x to 50x
- Large magnification range with optional lens: 3.5x to 200x
- Multi-coated optical components, free from chromatic and spherical aberration
- Crystal clear high resolution images
- Pole stand with built-in 9W fluorescent illumination with intensity control
- Large base: 220mm x 284mm

To complete your system for Image Capture and Analysis you will need to:

1. Select a Camera that meets your requirements. We offer a wide selection of analog and digital cameras with Image Capture & Measurement Software.
2. Adapter to mount camera to the microscope (our part number 26800B-435)
3. Optional Eyepieces or Auxiliary Lenses to meet your magnification and working distance requirements.

Visit www.aveninc.com to create your own custom Microscope System.

Part #	Description
26800B-376	SPZT-50PFM Microscope

SPZT-50 MICROSCOPE PRECONFIGURED SYSTEM	
MAGNIFICATION	6.7x to 50x
ZOOM RATIO	7.46:1
ILLUMINATION	9W Fluorescent
EYEPIECE	10x Wide Field (FN: 23)
OBJECTIVE LENSES	0.67x to 5.0x
WORKING DISTANCE	108mm (216mm w/0.5x lens)
FIELD OF VIEW	X
BODY	45° inclined eyepiece tube – Trinocular
INTERPUPILARY DISTANCE	52 to 75mm
DIOPTER ADJUSTMENT	+/- 7.2D on both eyepieces
STAND TYPE	Pole
STAGE PLATE	X
BASE DIMENSION	220 x 284mm
POLE HEIGHT	X
ACCESSORIES INCLUDED	10x Eyepiece for Trinocular Port Dust Cover Rubber Eye Guards Tension Control Pin
OPTIONAL ACCESSORIES	0.75x Auxiliary lens 1.6x Auxiliary Lens 10x Eyepieces with reticle scales 15x Eyepieces 20x Eyepieces 2x Auxiliary lens Lens Cover



SPZT-50 LED Efficient **Microscope**

Features

- Best in class zoom ratio
- Magnification range: 6.7x to 50x
- Large magnification range with optional lens: 3.5x to 200x
- Multi-coated optical components, free from chromatic and spherical aberration
- Crystal clear high resolution images
- Pole stand with built-in LED ring light and intensity control
- Large base: 220mm x 284mm

To complete your system for Image Capture and Analysis you will need to:

1. Select a Camera that meets your requirements. We offer a wide selection of analog and digital cameras with Image Capture & Measurement Software.
2. Adapter to mount camera to the microscope (our part number 26800B-435)
3. Optional Eyepieces or Auxiliary Lenses to meet your magnification and working distance requirements.

Visit www.aveninc.com to create your own custom Microscope System.

Part #	Description
26800B-396	SPZ-50T LED Microscope System

SPZT-50 LED MICROSCOPE PRECONFIGURED SYSTEM

MAGNIFICATION	6.7x to 50x
ZOOM RATIO	7.46:1
ILLUMINATION	LED Ring Light
EYEPIECE	10x Wide Field (FN: 23)
OBJECTIVE LENSES	0.67x to 5.0x
WORKING DISTANCE	108mm
FIELD OF VIEW	34.3 to 3.5 mm
BODY	45° inclined eyepiece tube – Binocular
INTERPUPILARY DISTANCE	52 to 75mm
DIOPTR ADJUSTMENT	+/- 7.2D on both eyepieces
STAND TYPE	Pole Type with built-in LED illuminator with dimmer control
STAGE PLATE	X
BASE DIMENSION	220 x 284 mm
POLE HEIGHT	250mm
ACCESSORIES INCLUDED	Dust Cover Rubber Eye Guards Tension Control Pin
OPTIONAL ACCESSORIES	0.75x Auxiliary Lens 1.6x Auxiliary Lens 2x Auxiliary Lens 10x Eyepieces w/reticle scales 15x Eyepieces 20x Eyepieces Lens Cover



SPZT-50P Stereo Zoom Trinocular **Microscope**

Features

- Best in class zoom ratio
- Magnification range: 6.7x to 50x
- Large magnification range with optional lens: 3.5x to 200x
- Multi-coated optical components, free from chromatic and spherical aberration
- Crystal clear high resolution images
- Pole stand with large base: 220mm x 284mm

To complete your system for Image Capture and Analysis you will need to:

1. Select a camera that meets your requirements. We offer a wide selection of analog and digital cameras with Image Capture & Measurement Software.
2. Adapter to mount camera to the microscope (our part number 26800B-435)
3. Optional eyepieces or auxiliary lenses to meet your magnification and working distance requirements.

Visit www.aveninc.com to create your own custom Microscope System.

Part #	Description
26800B-377	SPZT-50P Microscope

SPZT-50 MICROSCOPE PRECONFIGURED SYSTEM

MAGNIFICATION	6.7x to 50x
ZOOM RATIO	7.46:1
ILLUMINATION	None
EYEPIECE	10x Wide Field (FN: 23)
OBJECTIVE LENSES	0.67x to 5.0x
WORKING DISTANCE	108mm (216mm w/0.5x lens)
FIELD OF VIEW	34.3 to 4.6mm
BODY	45° inclined eyepiece tube – Trinocular
INTERPUPILARY DISTANCE	52 to 75mm
DIOPTER ADJUSTMENT	+/- 7.2D on both eyepieces
STAND TYPE	Pole
STAGE PLATE	X
BASE DIMENSION	220 x 284mm
POLE HEIGHT	X
ACCESSORIES INCLUDED	10x Eyepiece for Trinocular Port Dust Cover Rubber Eye Guards Tension Control Pin
OPTIONAL ACCESSORIES	0.75x Auxiliary lens 1.6x Auxiliary Lens 10x Eyepieces with reticle scales 15x Eyepieces 20x Eyepieces 2x Auxiliary lens Lens Cover



SPZT-50 Stereo Zoom Trinocular **Microscope** w/Boom Stand

Features

- Best in class zoom ratio
- Magnification range: 6.7x to 50x
- Large magnification range with optional lens: 3.5x to 200x
- Multi-coated optical components, free from chromatic and spherical aberration
- Crystal clear high resolution images
- Single arm boom stand with focus mount

To complete your system for Image Capture and Analysis you will need to:

1. Select a Camera that meets your requirements. We offer a wide selection of analog and digital cameras with Image Capture & Measurement Software.
2. Adapter to mount camera to the microscope (our part number 26800B-435)
3. Optional Eyepieces or Auxiliary Lenses to meet your magnification and working distance requirements.

Visit www.aveninc.com to create your own custom Microscope System.

Part #	Description
26800B-378	SPZT-50 Boom stand

SPZT-50 BOOM STAND PRECONFIGURED SYSTEM

MAGNIFICATION	6.7x to 50x
ZOOM RATIO	7.46:1
ILLUMINATION	None
EYEPIECE	10x Wide Field (FN: 23)
OBJECTIVE LENSES	0.67x to 5.0x
WORKING DISTANCE	108mm (216mm w/0.5x lens)
FIELD OF VIEW	X
BODY	45° inclined eyepiece tube – Trinocular
INTERPUPILARY DISTANCE	52 to 75mm
DIOPTER ADJUSTMENT	+/- 7.2D on both eyepieces
STAND TYPE	Single arm boom stand
STAGE PLATE	X
BASE DIMENSION	X
POLE HEIGHT	X
ACCESSORIES INCLUDED	10x Eyepiece for Trinocular Port Dust Cover Rubber Eye Guards Tension Control Pin
OPTIONAL ACCESSORIES	0.75x Auxiliary lens 1.6x Auxiliary Lens 10x Eyepieces with reticle scales 15x Eyepieces 20x Eyepieces 2x Auxiliary lens Lens Cover



SPZT-50 System w/LED FOI, HD Camera and Dual Arm Boom Stand

Features

- Outstandingly large zoom ratio 7.46:1 - Best zoom ration in this class
- Magnification range: 6.7x to 50x
- Field of View 34.3 mm to 3.6 mm (1.35" to 0.14")
- Working distance 108 mm (4.25") - the best in this class
- Magnification range of 2.25x to 200x with optional lenses
- 17 mm (0.67") high eye point wide field 10x eyepieces (field number 23) for comfortable viewing even for operators with eyeglasses
- System comes complete with a Color HD 1080P Camera, ProLux LED Fiber Optic Illuminator with Ring Light, Standard Dual Arm Ball Bearing Boom Stand, E-ARM, Includes a 22" HDMI Monitor

Visit www.aveninc.com to create your own custom Microscope System.

Part #	Description
26800B-382	SPZT-50 w/LED FOI, HD Camera and Dual Arm Boom Stand

SPZT-50 W/BOOM STAND PRECONFIGURED SYSTEM

MAGNIFICATION	6.7x to 50x
ZOOM RATIO	7.46:1
ILLUMINATION	ProLux Fiber Optic Illuminator and Ring Light
EYEPIECE	10x Wide Field (FN: 23)
OBJECTIVE LENSES	0.67x to 5.0x
WORKING DISTANCE	108mm (216mm w/0.5x lens)
FIELD OF VIEW	X
BODY	45° inclined eyepiece tube – Trinocular
INTERPUPILARY DISTANCE	52 to 75mm
DIOPTER ADJUSTMENT	+/- 7.2D on both eyepieces
STAND TYPE	Dual Arm Boom Stand
STAGE PLATE	X
BASE DIMENSION	X
POLE HEIGHT	X
ACCESSORIES INCLUDED	10x Eyepiece for Trinocular Port Dust Cover Rubber Eye Guards Tension Control Pin
OPTIONAL ACCESSORIES	0.75x Auxiliary lens 1.6x Auxiliary Lens 10x Eyepieces with reticle scales 15x Eyepieces 20x Eyepieces 2x Auxiliary lens Lens Cover



SPZT-50 Stereo Zoom Trinocular **Microscope** w/LW Articulating Arm

Features

- Best in class zoom ratio
- Magnification range: 6.7x to 50x
- Large magnification range with optional lens: 3.5x to 200x
- Multi-coated optical components, free from chromatic and spherical aberration
- Crystal clear high resolution images
- Lightweight Articulating Arm Stand

To complete your system for Image Capture and Analysis you will need to:

1. Select a Camera that meets your requirements. We offer a wide selection of analog and digital cameras with Image Capture & Measurement Software.
2. Adapter to mount camera to the microscope (our part number 26800B-435)
3. Optional Eyepieces or Auxiliary Lenses to meet your magnification and working distance requirements.

Visit www.aveninc.com to create your own custom Microscope System.

Part #	Description
26800B-368	SPZT-50 w/Lightweight Articulating Arm

SPZT-50 W/ARTICULATING ARM PRECONFIGURED SYSTEM

MAGNIFICATION	6.7x to 50x
ZOOM RATIO	7.46:1
ILLUMINATION	None
EYEPIECE	10x Wide Field (FN: 23)
OBJECTIVE LENSES	0.67x to 5.0x
WORKING DISTANCE	108mm (216mm w/0.5x lens)
FIELD OF VIEW	X
BODY	45° inclined eyepiece tube – Trinocular
INTERPUPILARY DISTANCE	52 to 75mm
DIOPTER ADJUSTMENT	+/- 7.2D on both eyepieces
STAND TYPE	Lightweight Articulating Arm
WORKING DISTANCE	500mm
ARM EXTENSION	580mm
VERTICAL POST HEIGHT	315mm
ACCESSORIES INCLUDED	10x Eyepiece for Trinocular Port Dust Cover Rubber Eye Guards Tension Control Pin
OPTIONAL ACCESSORIES	0.75x Auxiliary lens 1.6x Auxiliary Lens 10x Eyepieces with reticle scales 15x Eyepieces 20x Eyepieces 2x Auxiliary lens Lens Cover



DSZV-44 LED Efficient Microscope

Features

- Superior optics & reliable mechanical components
- Magnification: 10x to 44x
- Magnification range with optional lenses: 2.5x to 140.8x
- Multi-coated optical components, free from chromatic and spherical aberration
- Crystal clear high resolution images
- Pole stand with built-in LED ring light
- Large base: 220mm x 284mm

To complete your system for Image Capture and Analysis you will need to:

1. Select a Camera that meets your requirements. We offer a wide selection of analog and digital cameras with Image Capture & Measurement Software.
2. Adapter to mount camera to the microscope (our part number 26800B-435)
3. Optional Eyepieces or Auxiliary Lenses to meet your magnification and working distance requirements.

Visit www.aveninc.com to create your own custom Microscope System.

Part #	Description
26800B-398	DSZV-44 LED Microscope System

DSZV-44 LED MICROSCOPE PRECONFIGURED SYSTEM

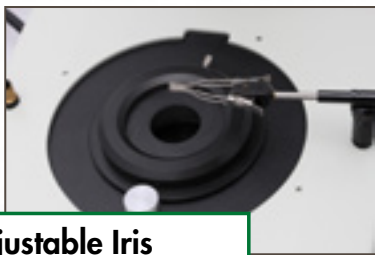
MAGNIFICATION	10x to 44x
ZOOM RATIO	4.4:1
ILLUMINATION	LED Ring Light
EYEPIECE	10x Wide Field (FN: 23)
OBJECTIVE LENSES	1.0x to 4.4x
WORKING DISTANCE	90mm
FIELD OF VIEW	23 to 5.2mm
BODY	45° inclined eyepiece tube – Binocular
INTERPUPILARY DISTANCE	52 to 75mm
DIOPTER ADJUSTMENT	+5.6D - 7.2D on both eyepieces
STAND TYPE	Pole Type with built-in LED illuminator with dimmer control
STAGE PLATE	X
BASE DIMENSION	220 x 284mm
POLE HEIGHT	250mm
ACCESSORIES INCLUDED	Dust Cover Rubber Eye Guards Tension Control Pin
OPTIONAL ACCESSORIES	0.5x Auxiliary Lens 0.75x Auxiliary Lens 1.6x Auxiliary Lens 15x Eyepieces 20x Eyepieces 5x Eyepieces Lens Cover



DSZ-44 Gemscope

Features:

- Carton DSZ-44 with stand SCW-JV
- Independently controllable fluorescent front light
- Dimmable halogen transmitted and pipe light with separate controls
- 2 post positioning(right and left of iris) for the adjustable gem tweezer
- Adjustable iris and light shutter in the iris
- Stand can be inclined from 0-10°



Adjustable Iris

Part #	Description
Gemscope 100	DSZ-44 Gemscope

DSZ-44 GEMSCOPE	
MAGNIFICATION	10x to 44x (field of view : 20mm to 4.5 mm)
OBJECTIVE LENSES	1.0x to 4.4x (zoom ratio : 4.4:1)
EYEPIECES	Wide Field 10x (DSW10x F.N.20)(field number : 20)
OPTICAL BODY	360° rotatable binocular, 45° inclined eyepiece tube
WORKING DISTANCE	90mm
INTERPUPILLARY DISTANCE	52mm to 75mm
DIOPTR ADJUSTMENT	± 5.6D - 7.2D on both eyepiece tubes & ± 8D on vertical tube
FRONT LIGHT	Fluorescent Lamp 9 W S/E 860 6500 K
TRANSMITTED LIGHT	Halogen lamp 12V 20-25W w/dimmer Single Light Guide (Halogen)
FUSE	250V 2A
STAGE PLATE	Dark-field 42mm
BASE	180mm x 265mm
POWER CORD	VDE cord
ELECTRICAL RATING	110-220V 50Hz/60Hz
STAND ADJUSTMENT	0-10°
HEIGHT	400mm
WEIGHT	5.77 Kg
COLOR	White
ACCESSORIES	Rubber eyeguards, Tension control pin, Dust cover, Spare fuse, Tweezer type III



DSZV-44 Gemscope

Features:

- Carton DSZV-44 with stand SCW-JV and 1080p HD Camera
- Use all three trinocular ports simultaneously
- The 1080p camera features an HDMI output for direct to monitor viewing and 60 fps refresh rate
- Independently controllable fluorescent front light
- Dimmable halogen transmitted and pipe light with separate controls
- 2 post positioning(right and left of iris) for the adjustable gem tweezer
- Adjustable iris and light shutter in the iris
- Stand can be inclined from 0-10°



Adjustable Iris

Part #	Description
Gemscope 200	DSZV-44 Gemscope

DSZV-44 GEMSCOPE	
MAGNIFICATION	10x to 44x (field of view : 20mm to 4.5 mm)
OBJECTIVE LENSES	1.0x to 4.4x (zoom ratio : 4.4:1)
EYEPIECES	Wide Field 10x (DSW10x F.N.20)(field number : 20)
OPTICAL BODY	360° rotatable trinocular, 45° inclined eyepiece tube
WORKING DISTANCE	90mm
INTERPUPILLARY DISTANCE	52mm to 75mm
DIOPTRIC ADJUSTMENT	± 5.6D - 7.2D on both eyepiece tubes & ± 8D on vertical tube
FRONT LIGHT	Fluorescent Lamp 9 W S/E 860 6500 K
TRANSMITTED LIGHT	Halogen lamp 12V 20-25W w/dimmer Single Light Guide (Halogen)
FUSE	250V 2A
STAGE PLATE	Dark-field 42mm
BASE	180mm x 265mm
POWER CORD	VDE cord
ELECTRICAL RATING	110-220V 50Hz/60Hz
STAND ADJUSTMENT	0-10°
HEIGHT	400mm
WEIGHT	5.77 Kg
COLOR	White
ACCESSORIES	Rubber eyeguards, Tension control pin, Dust cover, Spare fuse, Tweezer type III



SSZ-15X Eyepieces

SSZ-15X EYEPIECES	
EYEPIECE	15x
SERIES	SSZ Microscope bodies
Part #	Description
26800B-406	SSZ-15X Eyepieces

*Sold in pairs



SSZ-20X Eyepieces

SSZ-20X EYEPIECES	
EYEPIECE	20x
SERIES	SSZ Microscope bodies
Part #	Description
26800B-407	SSZ-20X Eyepieces

*Sold in pairs

Microscope Eyepieces

Choose the eyepiece lenses to increase or decrease the magnification of your stereo microscopes. All our stereo microscopes are supplied with 10x eyepieces. We offer eyepieces with 5x, 10x 15x and 20x magnifications.



DSW-10X Eyepieces

DSW-10X EYEPIECES	
EYEPIECE	10x
SERIES	DSZ-44 DSZT-44 NSW DSZ-70 DSZT-70 Series Bodies
Part #	Description
26800B-441	DSW-10X – DSZ-44, DSZT-44 and NSW series bodies
26800B-445	DSW-10X – DSZ-70 and DSZT-70 Series Bodies

*Sold in pairs



DSW-15X Eyepieces

DSW-15X EYEPIECES	
EYEPIECE	15x
SERIES	DSZ-44 DSZT-44 NSW DSZ-70 DSZT-70 Series Bodies
Part #	Description
26800B-442	DSW-15X – DSZ-44, DSZT-44, DSZ-70, DSZT-70 and NSW series bodies

*Sold in pairs



DHW Eyepieces

DHW EYEPIECES	
EYEPIECE	10x 15x 20x
SERIES	SPZ-50 SPZT-50 Series Bodies
Part #	Description
26800B-448	DHW-10X Eyepieces
26800B-449	DHW-15X Eyepieces

Part #	Description
26800B-450	DHW-20X Eyepieces

*Sold in pairs

Microscope Eyepieces

Choose the eyepiece lenses to increase or decrease the magnification of your stereo microscopes. All our stereo microscopes are supplied with 10x eyepieces. We offer eyepieces with 5x, 10x, 15x and 20x magnifications.



DSW-20X Eyepieces

DSW-20X EYEPIECES	
EYEPIECE	20x
SERIES	DSZ-44 DSZT-44 NSW DSZ-70 DSZT-70 Series Bodies
Part #	Description
26800B-443	DSW-20X – DSZ-44, DSZT-44, DSZ-70, DSZT-70 and NSW series bodies

*Sold in pairs



Rubber Eye Guards

RUBBER EYE GUARDS	
EYEPIECE	Fits DSW and DHW eyepieces
Part #	Description
26800B-452	Rubber Eye Guards – DSW eyepieces
26800B-453	Rubber Eye Guards – DHW eyepieces

*Sold in pairs



Focusing Eyepieces

FOCUSING EYEPIECES W/ SCALES	
EYEPIECE	5:100mm Scale 10:100mm Scale
SERIES	DSZ NSW Series Bodies
Part #	Description
26800B-455	10:100mm Scale – DSZ and NSW series bodies
26800B-456	5:100mm Scale – DSZ and NSW series bodies



Focusing Eyepieces

FOCUSING EYEPIECES W/ SQUARE SCALES	
EYEPIECE	20 x 20 – 0.5mm Scale 10 x 10 – 1mm Scale
SERIES	DSZ NSW Series Bodies
Part #	Description
26800B-457	20 x 20 – 0.5mm Scale – DSZ and NSW series bodies
26800B-458	10 x 10 – 1mm Scale – DSZ and NSW series bodies

Microscope Eyepieces

Eyepiece with a scale etched into the glass is designed to help you perform critical measurement functions. A variety of scales are available. Replace one of your 10x eyepieces and you are set to go.

**To order focusing eyepiece for the SPZ series bodies, please add -10 to the end of the above mentioned part numbers*



Focusing Eyepieces

FOCUSING EYEPIECES W/ CROSS LINE SCALES	
EYEPIECE	10:100mm Cross Line Scale
SERIES	DSZ NSW Series Bodies
Part #	Description
26800B-459	10:100mm Cross Line Scale – DSZ and NSW series bodies



Camera Adapter

Features

- C-mount adapter for use with 1/3" or 1/2" CCD or CMOS cameras
- Fine focus ring on adapter for easy focusing of images

Part #	Description
26800B-435	Camera Adapter

**Various adapters are available for mounting Digital Camera.*



Auxiliary Lenses

AUXILIARY LENSES	
EYEPIECE	0.5x 0.63x 0.75x 2x
SERIES	SSZ Series Bodies

Part #	Description	Part #	Description
26800B-424	0.5x Lens	26800B-426	0.75x Lens
26800B-425	0.63x Lens	26800B-427	2x Lens



Auxiliary Lenses

AUXILIARY LENSES	
EYEPIECE	0.5x 0.75x 1.6x 2x
SERIES	DSZ SPZ NSW Series Bodies

Part #	Description	Part #	Description
26800B-461	0.5x Lens	26800B-463	1.6x Lens
26800B-462	0.75x Lens	26800B-464	2x Lens

Microscope Eyepieces

Auxiliary objective lenses are designed to increase or decrease the microscope magnification. Decreasing the magnification will also increase working distance and field view, while increasing the magnification will decrease the field of view and working distance. We also offer lens covers to help protect the objective lenses plus adapters for mounting a camera, fluorescent, LED and fiber optic ring lights.



Lens Cover

LENS COVER	
EYEPIECE	Lens Cover for Objective Lens
SERIES	DSZ NSW SPZ Series Bodies

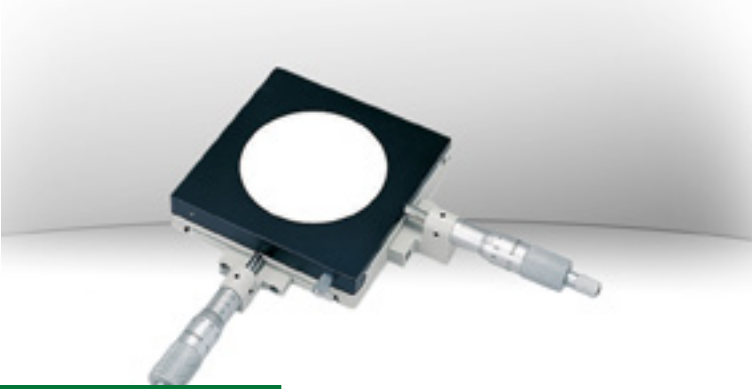
Part #	Description
26800B-465	Lens Cover – DSZ, NSW and SPZ series bodies



Adapter

- Features**
- Adapter to mount Fluorescent, LED and Fiber Optic Ring Lights
 - Fits DSZ, NSW and SPZ series bodies

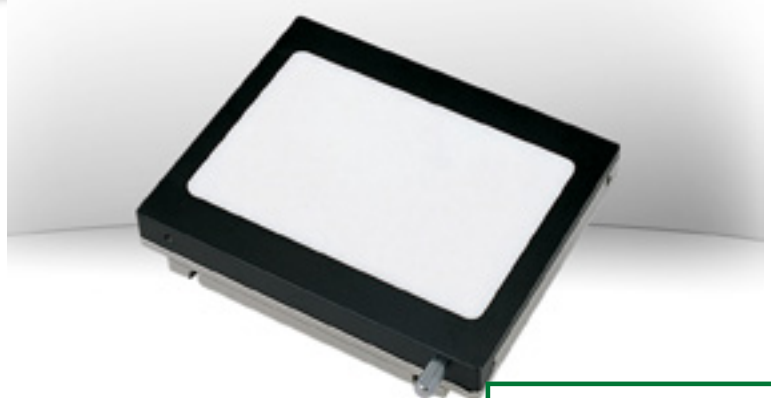
Part #	Description
26800B-460	Adapter – DSZ, NSW and SPZ series bodies



Gliding **Stage**

GLIDING STAGE W/MICROMETER ADJUSTMENTS	
XY TRAVEL	25 x 25mm

Part #	Description
26800B-471	Gliding Stage w/Micrometer Adjustments



Gliding **Stage**

GLIDING STAGE	
DIMENSIONS	140 x 114mm
XY TRAVEL	94 x 114mm

Part #	Description
26800B-472	Gliding Stage

Micro**scope** Stages

*Move your parts effortlessly under your microscope with our smooth gliding stages.
Available in a variety of sizes and configurations.*



Gliding **Stage**

GLIDING STAGE W/ 95MM RING MOUNT	
XY TRAVEL	75 x 56mm
BACK LIGHT WINDOW	116 x 96mm

Part #	Description
26800B-477	Gliding Stage w/95mm Ring Mount



Gliding **Stage**

GLIDING STAGE	
DIMENSIONS	440 x 290 x 36mm
XY TRAVEL	300 x 25mm

Part #	Description
26800B-478	Gliding Stage



19" LCD Monitor

Features

- 12 VDC adapter/power chord
- D-Sub 15 pin VGA connector cable
- Audio Cables

19" LCD MONITOR	
SCREEN/MONITOR SIZE	19" LCD Monitor
DISPLAY RESOLUTION	1366 x 768 pixels
INPUT VOLTAGE	12V DC
INCLUDED ACCESSORIES	12 VDC adapter/power chord D-Sub 15 pin VGA connector cable Audio Cables

Part #	Description
26700-402	19" LCD Monitor
26700-404	17" LCD Monitor

Microscope Monitors



8" LCD Monitor

Features

- Built-in PAL, NTSC or SECAM TV Tuner
- VGA port connect to PC or laptop 15 pins VGA port directly.
- 8" Active Matrix TFT LCD XGA Monitor. PC / AV / TV 3 in 1.
- Slim size; Crystal clear texts and ultra-sharp images.
- Built-in speaker
- Auto switch PAL and NTSC at AV mode.
- Functional menu and Full remote control.
- Full function OSD control

Inputs

- Jack for Earphone
- Jack for VGA 15 pins D-Sub connector
- USB jack for 2 x Audio Ports, 1x Video Ports and power
- TV (connect external wall TV signal socket; Use in home)

Accessories supplied with monitor

- 15 pins VGA cable
- Full Function Remote Controller
- USB cable for A/V and power
- DC12V AC adapter (Input 100-240VAC)
- Automotive Bracket for easy installation and stand
- English Operation Manual

8" LCD MONITOR	
SCREEN/MONITOR SIZE	8" LCD Monitor
DISPLAY RESOLUTION	XGA 1024 x 768 pixels (Native: 800 x 600)
INPUT VOLTAGE	12V DC

Part #	Description
26700-405	8" LCD Monitor
26700-405H	LCD Monitor Mount



Stand **Type Column** for SSZ-30 Series Bodies

Features

- Fine Focus Adjustment
- Large Base 210 x 278mm
- Stage Plates: Frosted Glass & Black/White Reversible

STAND TYPE COLUMN	
WEIGHT CAPACITY	20lbs
VERTICAL MOVEMENT SCANNING	14.5in 3in

Part #	Description
26800B-508	Stand Type Column – SSZ Series Bodies

Microscope Stands



Stand **Type Pole** for SSZ-30 Series Bodies

Features

- Aluminum powder coated base w/10 tapped holes for mounting stages
- Compatible with focus mount SCW-PA

STAND TYPE POLE	
STAND BASE	11 x 13 x 1/2" 279 x 330 x 12.7mm
VERTICAL POST O.D.	16" w/safety clamp 0.96" (24.5mm)

Part #	Description
26800B-509	Stand Type Pole – SSZ Series Bodies



Stand **Dual LED** for SSZ-30 Series Bodies

Features

- Large stage to accommodate a variety of parts
- 9W low temperature fluorescent light in focus mount with intensity control

STAND DUAL LED	
STAND BASE	220 x 284mm
VERTICAL POST O.D.	250mm 74mm

Part #	Description
26800B-510	Stand Dual LED – SSZ Series Bodies



Standard **Stand**

Features

- Aluminum powder coated base w/10 tapped holes for mounting stages
- Compatible with focus mount SCW-PA

STANDARD STAND	
STAND BASE	11 x 13 x 1/2" 279 x 330 x 12.7mm
VERTICAL POST O.D.	16" w/safety clamp 0.96" (24.5mm)

Part #	Description
26800B-570	Standard Stand



Coarse and Fine focus
for precision control

Stand **Type PF** for DSZ-44 & NSW Series Bodies

Features

- Large stage to accommodate a variety of parts
- 9W low temperature fluorescent light in focus mount with intensity control

STAND TYPE PF	
STAND BASE	220 x 284mm
VERTICAL POST O.D.	250mm 74mm

Part #	Description
26800B-513	Stand Type PF – DSZ-44 DSZT-44 NSW Series Bodies

Microscope Stands



Coarse and Fine focus
for precision control

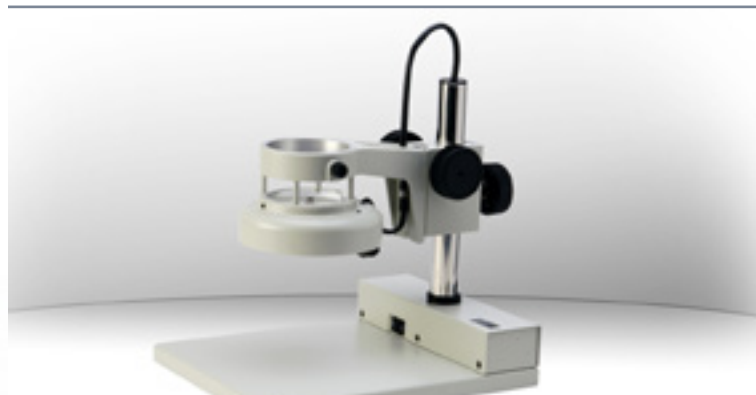
Stand **Type PFM** for SPZ series bodies

Features

- Large stage to accommodate a variety of parts
- 9W low temperature fluorescent light in focus mount with intensity control

STAND TYPE PFM	
STAND BASE	220 x 284mm
VERTICAL POST O.D.	250mm 74mm

Part #	Description
26800B-514	Stand Type PFM – SPZ-44 SPZT-44 Series Bodies



Stand **Type PFL** for DSZ-70 series bodies

Features

- Large stage to accommodate a variety of parts
- Built-in 9W low temperature fluorescent light in focus mount

STAND TYPE PFL	
STAND BASE	220 x 284mm
VERTICAL POST O.D.	250mm 74mm

Part #	Description
26800B-515	Stand Type PFL – DSZ-70 DSZT-70 Series Bodies



Stand P w/Focus Mount for DSZ, SPZ and NSW series bodies

Features

- Large stage to accommodate a variety of parts
- Will accept bodies of diameter 74mm

STAND P W/FOCUS MOUNT	
DIMENSIONS	220 x 284 x 317mm
VERTICAL POST	250mm

Part #	Description
26800B-511	Stand P – DSZ SPZ NSW Series Bodies



Stand **Type T** for DSZ-44 and NSW series bodies

Features

- Fluorescent 9W incident light and Tungsten Transmitted light
- Stage Plate: Frosted glass plate & frosted blue filter

STAND TYPE T	
STAND BASE	6.30 x 8.62in 160 x 219mm
VERTICAL POST O.D.	74mm

Part #	Description
26800B-516	Stand Type T – DSZ-44 DSZT-44 NSW Series Bodies

Microscope Stands



Articulating **Arm Stand** w/o Arbor

Features

- Adjustable, counter-balanced articulating arm moves easily up or down
- Wide range of horizontal and vertical movements.
- Will accept Arbor 26800B-521 or E-Arm

ARTICULATING ARM STAND W/O ARBOR	
WEIGHT CAPACITY	20lbs
VERTICAL MOVEMENT SCANNING	14.5in 3in

Part #	Description
26800B-560	Articulating Arm Stand w/o Arbor



Single Arm **Boom Stand** w/o Arbor

Features

- Perfect for stationary video and microscopy applications
- Heavy duty steel base with safety clamp

SINGLE ARM BOOM STAND W/O ARBOR	
BASE	10 x 10 x 0.75in 254 x 254 x 19mm
VERTICAL HORIZONTAL POST	16in (406mm) 16in (406mm)

Part #	Description
26800B-519	Single Arm Boom stand w/o Arbor



Single Arm **Boom Stand** w/Arbor

Features

- Perfect for stationary video and microscopy applications
- Heavy duty steel base with tilting mounting post and safety clamp

SINGLE ARM BOOM STAND W/ARBOR	
BASE	10 x 10 x 0.75in 254 x 254 x 19mm
VERTICAL HORIZONTAL POST	16in (406mm) 16in (406mm)

Part #	Description
26800B-520	Single Arm Boom stand w/Arbor



Double Arm **Boom Stand** w/o Arbor

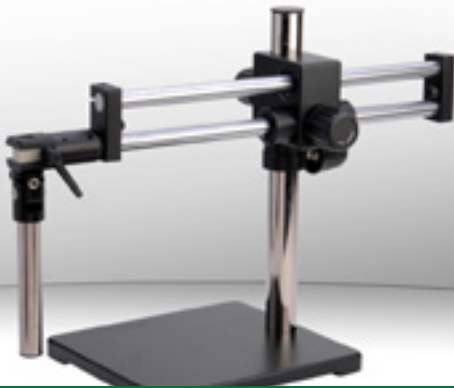
Features

- Ultra smooth movement of a ball bearing slide with safety clamp
- Great for inspection where magnification and movement are important

DOUBLE ARM BOOM STAND W/O ARBOR	
BASE	11 x 10 x 1.25in 285 x 260 x 31mm
VERTICAL HORIZONTAL POST	15in (380mm) 22.5in (570mm)

Part #	Description
26800B-534	Double Arm Boom stand w/o Arbor

Microscope Stands



Double Arm **Boom Stand** w/Arbor

Features

- Ultra smooth movement of a ball bearing slide with safety clamp
- Great for inspection where magnification and movement are important

DOUBLE ARM BOOM STAND W/ARBOR	
BASE	11 x 10 x 1.25in 285 x 260 x 31mm
VERTICAL HORIZONTAL POST	15in (380mm) 22.5in (570mm)

Part #	Description
26800B-535	Double Arm Boom stand w/Arbor



Tiltable **Arbor**

Our tiltable arbors when used with our boom stands and articulating arms allow you to position your microscope at different angles, rotate and change your working distance easily for comfortable viewing.

TILTABLE ARBOR	
DIAMETER TILTING ADAPTER	25mm 15.875mm
LENGTH	245mm

Part #	Description
26800B-521	Tiltable Arbor



Stand **Type LED** for DSZ, SPZ and NSW series bodies

Features

- Large stage to accommodate a variety of parts
- Built in eco-friendly daylight LED ring light with dimmer control
- Long life, low power consumption
- Color consistency when dimming and flicker free
- Built in ring light allows for the full working distance between objectives and specimen unlike optional illuminators equipped under objectives

STAND TYPE LED

STAND BASE	220 x 284mm
VERTICAL POST O.D.	250mm 74mm
Part #	Description
26800B-512	Stand Type LED – DSZ SPZ NSW Series Bodies

Micro**scope** Stands



LW Articulating **Arm Stand**

Features

- Adjustable, counter-balanced articulating arm moves easily up or down
- Tension control pin adjuster
- Lightweight and ergonomic design
- Wide range of horizontal and vertical movements
- Aluminum and ABS plastic construction
- Will accept Arbor 26800B-521 or E-Arm

LW ARTICULATING ARM STAND

WEIGHT CAPACITY	20lbs
VERTICAL MOVEMENT SCANNING	14.5in 3in
Part #	Description
26800B-555	Light Weight Articulating Arm Stand



SCW-PA Focus Mount

Focus mount can be used with Stand P, Single, Double, Articulating Arm, Standard and Ergo Stands. Rack & Pinion mechanism for precise focusing over 55mm travel. Coarse and fine focus w/slip clutch and tension adjustment.

SCW-PA FOCUS MOUNT	
MICROSCOPE DIAMETER	74mm 2.9in
MOUNTING POST	25mm

Part #	Description
26800B-517	SCW-PA Focus Mount – SPZ, DSZ, NSW & SSZ series bodies



E-Arm Focus Mount

Focus mount can be used with Single, Double, Articulating Arm Stands. 50mm vertical focusing distance. Fits our NSW, DSZ, SPZ and SSZ series microscope bodies.

E-ARM FOCUS MOUNT	
MICROSCOPE DIAMETER	74mm 2.9in
MOUNTING POST	25mm

Part #	Description
26800B-518	E-Arm Focus Mount – SPZ DSZ NSW SSZ series bodies

Microscope Focus Mounts & Illumination



Model 150 Fiber Optic Illuminators

Aven Fiber Optic illuminators are used in a wide range of manufacturing, microscopy, metrology, medical, research, and other applications. Fiber Optic Illuminators are often referred to as “Cold Light” Illuminators because they provide high intensity, focused light without the heat typically associated with high intensity lamps. **Made in USA.**

Features

- High quality ball bearing fan for low noise and vibration
- High output 150 watt bulb
- Variable intensity control
- Easy lamp change

New Features

- Improved safety features including over temperature protection and dual fuse protection
- Innovative dual faceplate configuration virtually eliminates heat transfer to the fiber and front panel
- Expanded fan diameter reduces exhaust noise by ~ 7 dB

MODEL 150 FIBER OPTIC ILLUMINATORS	
DIMENSIONS	7.0 x 7.5 x 6.5in
COLOR	Beige
INPUT VOLTAGE	110 VAC
COLOR TEMPERATURE	3250K
LAMP LIFE	200 to 2000 hours

Part #	Description
26200A-200	Model 150 Fiber Optic Illuminator
26200A-200FH	Model 150 Fiber Optic Illuminator – with Filter Holder
26200A-200FB	Blue Filter
26200A-200FD	Daylight Filter
26200A-200FG	Green Filter
26200A-200FO	Orange Filter
26200A-200FR	Red Filter
26200A-200FY	Yellow Filter



ProLux LED Fiber Optic Illuminator

ProLux LED Illuminator sets the standard for the new generation of LED fiber optic illuminators. Harnessing the power of the industry's highest performing high-output LED's, the ProLux LED is as bright or brighter than traditional illuminators, making it a viable alternative to existing halogen technology.

Designed for optimal thermal management to maximize reliability and optical performance, the ProLux LED provides exceptional stability, uniformity and a more consistent color temperature than traditional EKE light sources.

Made in the USA.

Features

- Accepts virtually any light guide with quick change adapters
- Advanced heat pipe technology using metal core PCB's
- Eliminates 100's of lamp replacements
- Exceeds performance of 150w halogen illuminators; higher brightness, better color, longer life, half the energy consumption and reduced ownership costs
- Linear light intensity control with continuous dimming
- Low energy consumption increases safety and reliability
- Maintenance free LED's have a minimum lifetime of 25,000 hours
- Small footprint and rugged housing is suitable for mounting and stacking in space constrained environments
- Superior, precision engineered cooling for extremely quiet operation

PROLUX LED FIBER OPTIC ILLUMINATOR	
BRIGHTNESS	Daylight 6000 K
INPUT VOLTAGE	96-264 VAC / 50-60Hz
WORKING TEMPERATURE	0-40 °C
DIMENSION	4.75in x 6in x 9in
LAMP LIFE	Minimum Lifetime of 25,000 Hours
WEIGHT	6.5 lb

Part #	Description
26200A-200	Model 150 Fiber Optic Illuminator

Microscope Illumination



Model 21AC Fiber Optic Illuminator

Part #	Description
26200A-201	Model 21AC Fiber Optic Illuminator

Model 21 AC is an extremely rugged and reliable fiber optic illuminator. At just under 200 cubic inches in volume, the Model 21AC is one of the world's most compact and low profile 150w halogen illuminators. A perfect solution for space-constrained areas, the model 21ac is stackable. A quick lamp change feature allows the lamp to be replaced from the front of the unit for ease of access and maintenance when the Model 21AC is secured in equipment bays.

The model 21AC's rugged aluminum housing and steel end plates provide for maximum durability.

MODEL 150 FIBER OPTIC ILLUMINATORS	
DIMENSIONS	7.1 x 7.9 x 4.1 in
COLOR	Silver & Black
INPUT VOLTAGE	110 VAC
COLOR TEMPERATURE	3250 Kelvin
LAMP LIFE	200 to 2000 hours
WEIGHT	7.25 lb



2"x 2" Fiber Optic **Area Backlight**

These high-output, uniform backlights are made of the highest quality components and offer a sleek, slim design, which makes them highly versatile for mounting in tight spaces. The housing consists of black, electro-coated steel and the sheathing is PVC covered metal hose. Backlights have a $\pm 10\%$ uniformity. 36" cable length. Comes with a 5/8" standard adapter for FOIs.

2" X 2" FIBER OPTIC AREA BACKLIGHT	
SIZE	2 x 2in 50.8 x 50.8mm
Part #	Description
26200A-531	Fiber Optic Area Backlight - 2 x 2in



4"x 4" Fiber Optic **Area Backlight**

Features the same specification as 26200A-531.

4" X 4" FIBER OPTIC AREA BACKLIGHT	
SIZE	4 x 4in 50.8 x 10.8mm
Part #	Description
26200A-532	Fiber Optic Area Backlight - 4 x 4in

Micro**scope** Illumination



Dual Pipe **Light Guide**

- Features**
- High quality glass fiber provides maximum glass transmission
 - Focusable lenses allow for variable spot light adjustment

DUAL PIPE LIGHT GUIDE	
FIBER DIAMETER LENGTH	0.25in 18in
ADAPTER	5/8in standard adapter for FOIs
Part #	Description
26200A-523	Dual Pipe Light Guide



Fiber Optic **Light Guide**

Fiber optic cable with 9mm and 15.875mm adapters. 9mm adapter fits into the coaxial video lens system. The 15.875mm (5/8") adapter fits into our fiber optic illuminator.

FIBER OPTIC LIGHT GUIDE	
LENGTH	36in
ADAPTER	9mm 15.875mm
Part #	Description
26200A-521	Fiber Optic Light Guide for Coaxial Illumination



Ring Light – Microscopes

Aven's ring light features 360° shadow free light with high quality glass fiber. The large fiber bundle ensures maximum light exposure. It accepts polarizers.

RING LIGHT – MICROSCOPES	
INNER DIAMETER	2.31in
CABLE LENGTH	36in
SERIES	SPZ, DSZ and NSW series microscopes
Part #	Description
26200A-402	Ring Light – Microscopes



Ring Light – Video Lenses

Aven's ring light features 360° shadow free light with high quality glass fiber. The large fiber bundle ensures maximum light exposure.

RING LIGHT – MICROSCOPES	
INNER DIAMETER	1.125in
CABLE LENGTH	36in
SERIES	Micro Video Lenses
Part #	Description
26200A-403	Ring Light – Video Lenses

Microscope Illumination



Polarizer – Fiber Optic Ring Light

Our polarizer threads onto to our ring light 26200A-402 and the analyzer supplied with the polarizer sits in the counter bore. Reduces glare from highly reflective surfaces.

POLARIZER – FIBER OPTIC RING LIGHT	
OUTSIDE DIAMETER	63mm
INSIDE DIAMETER	46mm
Part #	Description
26200A-402P	Polarizer for Fiber Optic Ring Lights



Adapter Plates

Mount micro and macro lenses to focus mounts SCW-PA and E-Arm.

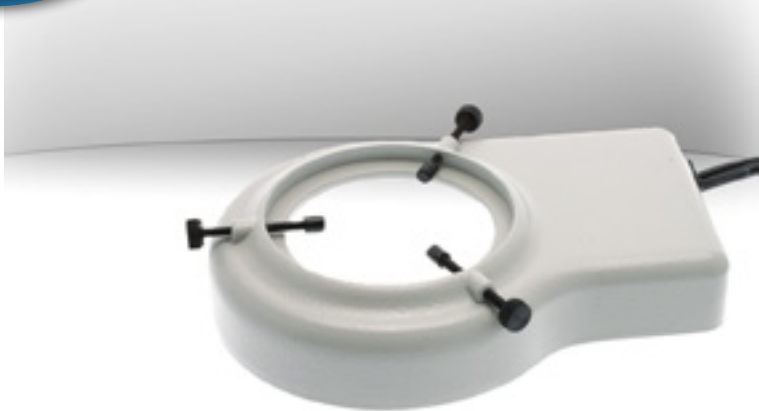
ADAPTER PLATES - OUTER INNER DIAMETER	
MICRO ADAPTER	40mm (ID) 70mm (OD)
MACRO ADAPTER	48mm (ID) 74mm (OD)
Part #	Description
26800B-429	Adapter Plate – Micro Lens
26800B-430	Adapter Plate – Macro Lens



Fluorescent Ring Light

The economy ring light provides shadow free illumination even at long distances. It has a polycarbonate plastic housing does not radiate heat. Ideally suited for inspection and assembly environments.

FLUORESCENT RING LIGHT	
TYPE	12W Fluorescent
LAMP	12W Color Temp 5600K Service Life >2000 hours
MOUNT	Inner Diameter 55mm
Part #	Description
26200B-201	Fluorescent Ring Light – Economy



Fluorescent Ring Light

Aven fluorescent ring lights are designed for applications requiring a high quality illuminator. Provides 360° shadow free illumination. Our reflector housing is cast from high quality aluminum alloy for durable and cool operation. Operates at 115V AC. Available in 17W standard model or with a UV lamp. Made in the USA.

Part #	Description
26200B-202	Fluorescent Ring Light – Standard
26200B-203	Fluorescent Ring Light – UV

Microscope Illumination



Fluorescent ESD Safe Ring Light

Aven fluorescent ring lights are designed for applications requiring a high quality illuminator. Provides 360° shadow free illumination. Our reflector housing is cast from high quality aluminum alloy for durable and cool operation. Operates at 115V AC. ESD safe model. Made in the USA.

Part #	Description
26200B-206	Fluorescent Ring Light – ESD Safe



Fluorescent Ring Light w/Focus Mount

Features

- Fluorescent ring light built into the focus mount
- For use with our standard and boom stands
- Additional focus mount not required
- Rack & pinion with 9 Watt florescent lamp
- 110 volt power supply

Part #	Description
26200B-207	Fluorescent Ring Light – DSZ and NSW Series
26200B-208	Fluorescent Ring Light – SPZ Series



White LED Ring Light

Designed to be used with standard microscopes. Excellent for applications requiring a high degree of lighting control. Incorporates 60 long life LED lights that are flicker free and operate at low temperatures and do not change color over time.

Part #	Description
26200B-211	White LED Ring Light W/Brightness and Sector Control

WHITE LED RING LIGHT W/BRIGHTNESS & SECTOR CONTROL

LED LIGHTS	60
LIGHT CONTROL	4 Zone Independent 7 Step Intensity Control
LED COLOR TEMP	5500K White
LIGHT INTENSITY	35,000 LUX
DIAMETER	40mm (inner) 70mm (outer)
WORKING DISTANCE	50-160mm
POWER CONSUMPTION	6W

Microscope Illumination



High Performance LED Ring Light

The MC90/50 microscope ring light is a compact source of LED lighting with a fully adjustable, high-resolution dimmer that provides uniformity and stability. It consists of 72 individual LEDs that do not heat or flicker, superior to fluorescent and halogen lamps. Four zone control buttons allow the user to individually control each quadrant of the LEDs. This LED Ring Light fits all microscopes.

Part #	Description
26200B-212	LED Ring Light W/Brightness and Sector Control

LED RING LIGHT W/BRIGHTNESS & SECTOR CONTROL

LED LIGHTS	72
LIGHT CONTROL	4 Zone Independent Continuous Intensity Control
LED COLOR TEMP	5500K White
LIGHT INTENSITY	> 70,000 LUX
DIAMETER: I O	40mm (inner) 70mm (outer)
WORKING DISTANCE	50-160mm
POWER CONSUMPTION	6W



Video Zoom Microscope **LED Ring Light**

LED Ring Light for Video Zoom Microscopes is designed to fit our micro zoom lenses. 96 LED ring lights provide uniform illumination. The intensity is adjustable to provide the correct illumination for your specimen.

Part #	Description
26200B-216	LED Ring Light for Video Zoom Microscopes

LED **RING LIGHT** FOR VIDEO ZOOM MICROSCOPES

POWER SUPPLY	AC 90-265V, 50/60 HZ
OUTER DIAMETER	68mm
INNER DIAMETER	50mm
HEIGHT	35mm
POWER CONSUMPTION	4W

Micro**scope** Illumination



Oblique **Viewer**

The Oblique Viewer attaches to our DSZ and SPZ series microscope bodies. Rotating the viewer 360 degrees allows you to view the specimen from all sides. Angle of view is 45 degrees. This viewer works best with our PF or PFM stands and our boom or articulating stands with our fluorescent ring light mounted to the focus mount.

Part #	Description
26800B-485	Oblique Viewer

Features

- Gives you a 3D perspective with rotation to your inspection process.
- View specimen from all angles without having to move it.
- Reduce evaluation time and improve your QC process.



C6™ Lens **Cleaner**

The CS-10, C6™ Lens Cleaner from Carson Optical, contains our Dry Nano-Particle Cleaning Formula that wipes away smudges, grime and fingerprints with ease. The Soft Tip is safe and easy to use on all lenses. The C6™ Lens Cleaner also includes a retractable brush to remove dust and debris. It's sleek and compact design make it easy to fit in your Camera Bag, Purse, or Pocket!

Part #	Description
26400-CS-10	C6™ - Lens Cleaner



C6™ Compact Lens **Cleaner**

The CS-20, C6™ Compact Lens Cleaner from Carson Optical, contains our Dry Nano-Particle Cleaning Formula that wipes away smudges, grime and fingerprints with ease. The Soft Tip is safe and easy to use on all lenses. The C6™ Compact Lens Cleaner includes a retractable brush to remove dust and debris. It also includes a built-in ring on cap which allows easy attachment to Keychains, Carabiners, and other Clips.

Part #	Description
26400-CS-20	C6™ Compact Lens Cleaner

Micro**scope** Cleaning & Care



C6™ Jumbo Lens **Cleaner**

The CS-40, C6™ Jumbo Lens Cleaner from Carson Optical, contains our Dry Nano-Particle Cleaning Formula that wipes away smudges, grime and fingerprints with ease. The Jumbo Soft Tip is safe and easy to use on larger lenses. The C6™ Jumbo Lens Cleaner also includes a retractable brush to remove dust and debris.

Part #	Description
26400-CS-40	C6™ - Jumbo Lens Cleaner



C6™ Screen **Cleaner**

The CS-50, C6™ Screen Cleaner from Carson Optical, contains our Dry Nano-Particle Cleaning Formula that wipes away smudges, grime and fingerprints with ease. The Soft, retractable pad is safe and easy to use on all screens. It also includes a built-in ring on the body which allows easy attachment to Keychains, Carabiners, and other Clips.

Part #	Description
26400-CS-50	C6™ Screen Cleaner



C6™ Disposable Screen Cleaners

The CS-30, C6™ Disposable Screen Cleaners from Carson Optical, are portable, easy to use, and can be thrown away after using. Our Dry Nano-Particle Cleaning Formula wipes away smudges, grime and fingerprints with ease. The C6™ Screen Cleaners come in a pack of 16.

Part #	Description
26400-CS-30	C6™ - Disposable Screen Cleaners



C6™ Disposable Lens Cleaners

The CS-70, C6™ Disposable Lens Cleaners from Carson Optical, are portable, easy to use, and can be thrown away after using. Our Dry Nano-Particle Cleaning Formula wipes away smudges, grime and fingerprints with ease. The C6™ Disposable Lens Cleaners come in a pack of 12, and includes 1 brush to remove dust and debris.

Part #	Description
26400-CS-70	C6™ - Disposable Lens Cleaners

Microscope Cleaning & Care



C6™ Jumbo Disposable Screen Cleaners

The CS-80, C6™ Disposable Jumbo Screen Cleaners from Carson Optical, are portable, easy to use, and can be thrown away after using. Our Dry Nano-Particle Cleaning Formula wipes away smudges, grime and fingerprints with ease. The C6™ Disposable Jumbo Screen Cleaners come in a pack of 14.

Part #	Description
26400-CS-80	C6™ - Jumbo Disposable Screen Cleaners



Pocket Microscopes

Pocket Microscopes are ideal for indoor and outdoor use. Small and portable, pocket microscopes can be used for hobbies, field trips, or even industrial applications. Pocket Microscopes come in a wide variety of shapes and sizes.

Applications:

- Specimen examination in laboratories before sample preparation
- Printed circuit board inspection especially for hair line cracks
- Printing industry for “dot” measurement
- Gemstone examination



Pen Type **Microscope 25x** w/LED Light

Precision pocket "pen type" microscopes are slim enough to fit your pocket. Comes with a pocket clip and a bright LED light to illuminate the object you are viewing. The microscope is made from a glass lens housed in a plastic / aluminum housing. The scope is 5" high with a 1/4" OD eyepiece. Comes in a vinyl sleeve. Item 26800C-553 has a 0.05mm scale, with a measurement range of 1.5mm.

Part #	Description
26800C-550	Pen Type Microscope 25x w/LED Light
26800C-552	Pen Type Microscope 25x w/LED Light & Scale

PEN TYPE MICROSCOPE 25X W/LED LIGHT	
MAGNIFICATION	25x
FIELD OF VIEW	3.3mm
LENGTH	5in 127mm

Pocket **Microscopes**



Pen Type **Microscope 50x** w/LED Light

Precision pocket "pen type" microscopes are slim enough to fit your pocket. Comes with a pocket clip and a bright LED light to illuminate the object you are viewing. The microscope is made from a glass lens housed in a plastic / aluminum housing. The scope is 5" high with a 1/4" OD eyepiece. Comes in a vinyl sleeve. Item 26800C-552 has a 0.05mm scale, with a measurement range of 3mm.

Part #	Description
26800C-551	Pen Type Microscope 50x w/LED Light
26800C-553	Pen Type Microscope 50x w/LED Light & Scale

PEN TYPE MICROSCOPE 50X W/LED LIGHT	
MAGNIFICATION	50x
FIELD OF VIEW	2.0mm
LENGTH	5in 127mm



Pocket Microscope 40x w/illumination

Perfect carry-with microscope. Ideal for on site detailed examination of small areas and objects. Useful for engineers, tool makers, quality control inspectors, field researchers etc. Has a built in light source. In addition a clear acrylic stand allows ambient light to the object under examination. Operates on two AA batteries not included. Case Included.

Part #	Description
26800C-534	Pocket Microscope 40x w/illumination

POCKET MICROSCOPE 40X W/ILLUMINATION

MAGNIFICATION	40x
MEASUREMENT RANGE	4mm
GRADUATION	0.1mm
FIELD OF VIEW	4mm
POWER SOURCE	2 AA batteries (not included)

Pocket Microscopes



Pocket Microscope 40x w/illumination

A powerful lightweight pocket microscope features built in LED light that provides a bright clear image. Focus wheel allows you to quickly focus on the item under examination. LED lights can be turned on and off. Built-in scale.

POCKET MICROSCOPE 40X W/ILLUMINATION	
MAGNIFICATION	40x
MEASUREMENT RANGE	2mm
GRADUATION	0.05mm
FIELD OF VIEW	4mm
POWER SOURCE	3 AA batteries (not included)

Part #	Description
26800C-541	Pocket Microscope 40x w/illumination



Pocket Microscope 60-100x w/illumination

This lightweight pocket microscope provides 60x-100x magnification. Built-in LED lights provide a bright clear image. The focus wheel allows you to quickly focus onto the object being viewed. LED lights can be turned on and off. Case included.

POCKET MICROSCOPE 60-100X W/ILLUMINATION	
MAGNIFICATION	60-100x
FIELD OF VIEW	4 to 1.8mm
POWER SOURCE	3 - LR1130 Button Cell batteries (Not Included)

Part #	Description
26800C-542	Pocket Microscope 60-100x w/illumination



MicroMax™

The MM-100 MicroMax™ from Carson Optical is a powerful 60-100x power Magnification Pocket Microscope with an extremely lightweight and portable design. This Pocket Microscope features a built-in light that provides a bright, clear image and a rubberized eyepiece for comfortable viewing. The MicroMax™ fits easily in your Pocket so you can bring it with you anywhere.

Part #	Description
26800C-MM-100	MicroMax™

MICROMAX™	
MAGNIFICATION	60-100x
BATTERIES	3 AAA (Not Included)
ILLUMINATION	Built-In Light

Pocket Microscopes



MicroMax Plus™

The MM-200 MicroMax Plus™ from Carson Optical is a powerful 60-100x power Magnification Pocket Microscope with an extremely lightweight and portable design. This Pocket Microscope features a built-in LED light that provides a bright, clear image and a rubberized eyepiece for comfortable viewing. The MicroMax LED™ fits easily in your Pocket so you can bring it with you anywhere.

Part #	Description
26800C-MM-200	MicroMax Plus™

MICROMAX PLUS™	
MAGNIFICATION	60-100x
BATTERIES	3 SG3 Button Cell Batteries (Included)
ILLUMINATION	Built-In Light



Video Inspection **Systems**

Aven offers a variety of Video Inspection Systems ideal for a wide range of objects such as; integrated circuits, solder joints, surface analysis, quality control, laboratory inspection, defect analysis, semiconductor inspection, metrology, biomedical imaging, or assembly applications where an easy to view, sharp and true-to-life magnified image is required. A wide range of adapters & auxiliary lenses, cameras, lighting options, video capture cards, and stands are available to provide a custom solution.

Visit www.aveninc.com to create your own custom Video Inspection System.



VIS-745 Video Inspection System

A complete video inspection solution is designed for critical high magnification applications. The monitor is mounted at eye level for easy viewing, eliminating eye and neck strain. Everything you need is included.

This video lens can also be used for high accuracy measurement. In this case choose one of our high resolution USB digital cameras with measurement software. The 8" LCD monitor would not be required. Your PC monitor would be used for viewing and measurement.

Features

- MZL -745 Video Lens
- 8" LCD monitor
- Focus mount with fine focusing
- VGA HD color camera 2M
- Fluorescent illumination | Fiber optic illuminator with ring light
- Dual arm ball bearing stand

VIS-745 PRECONFIGURED SYSTEM

ILLUMINATION	Fluorescent Fiber Optic
MOUNT	Dual Arm Ball Bearing Stand
MAGNIFICATION ON MONITOR	27x to 211x
FIELD OF VIEW	6 to 1.5mm

VIS-745 PRECONFIGURED SYSTEM

LENS SETTING	1x	2x	3x	4x
MAGNIFICATION	0.8x	1.6x	2.4x	3.2x
MAGNIFICATION ON MONITOR	27x	105x	158x	211x
FIELD OF VIEW	6 x 4.5mm	3 x 2.2mm	2 x 1.5mm	1.5 x 1.1mm

Part #	Description
26700-110	VIS-745 w/Fluorescent Illumination
26700-112	VIS-745 w/Fiber Optic Illumination

Visit www.aveninc.com to create your own custom Video Inspection System.



VIS-745 Video Inspection System

A complete video inspection solution is designed for critical high magnification applications. The monitor is mounted at eye level for easy viewing, eliminating eye and neck strain. Everything you need is included.

This video lens can also be used for high accuracy measurement. In this case choose one of our high resolution USB digital cameras with measurement software. The 8" LCD monitor would not be required. Your PC monitor would be used for viewing and measurement.

Features

- MZL -745 Video Lens
- 8" LCD monitor
- Focus mount with fine focusing
- VGA HD color camera 2M
- Fluorescent illumination
- Standard pole stand

VIS-745 PRECONFIGURED SYSTEM

ILLUMINATION	Fluorescent
MOUNT	Standard Pole Stand
MAGNIFICATION ON MONITOR	27x to 211x
FIELD OF VIEW	6 to 1.5mm

VIS-745 PRECONFIGURED SYSTEM

LENS SETTING	1x	2x	3x	4x
MAGNIFICATION	0.8x	1.6x	2.4x	3.2x
MAGNIFICATION ON MONITOR	27x	105x	158x	211x
FIELD OF VIEW	6 x 4.5mm	3 x 2.2mm	2 x 1.5mm	1.5 x 1.1mm

Part #	Description
26700-114	VIS-745 w/Fluorescent Illumination
26700-116	VIS-745 w/Fiber Optic Illumination

Visit www.aveninc.com to create your own custom Video Inspection System.



VIS-750 Video Inspection System

The perfect system for those that require a Microscope for inspection but with the option to view images on a monitor. The monitor is mounted at eye level to reduce eye and neck strain.

Features

- SPZT-50 stereo zoom microscope with 10x eyepieces
- Best in class zoom ratio of 7.46:1
- 17mm high eye point, wide field 10x eyepieces (field number: 23) for comfortable viewing
- Diopter adjustment on the vertical tube for fine adjustment
- 8" LCD monitor
- Focus mount with fine focusing
- VGA HD color camera 2M
- Fluorescent illumination | Fiber optic illuminator with ring light
- Dual arm ball bearing stand

VIS-750 PRECONFIGURED SYSTEM

ILLUMINATION	Fluorescent Fiber Optic
MOUNT	Dual Arm Ball Bearing Stand
MAGNIFICATION ON MONITOR	14x to 105x
FIELD OF VIEW	34.3 to 3.6mm

VIS-750 PRECONFIGURED SYSTEM

AUXILIARY LENS	Nil	0.5x	0.75x	1.6x	2.0x
MAGNIFICATION	6.75x to 50x	3.35x to 25x	5x to 37.5x	10.72x to 80x	13.4x to 100x
WORKING DISTANCE (DHW10X))	108mm	240mm	132mm	50mm	41mm
FIELD OF VIEW	34.3-4.6mm	68.9-9.2mm	45.7-6.1mm	21.4-2.8mm	17.1-2.3 mm

Part #	Description
26800B-110	VIS-750 w/Fluorescent Illumination
26800B-112	VIS-750 w/Fiber Optic Illumination

Visit www.aveninc.com to create your own custom Video Inspection System.



VIS-750 Video Inspection System

The perfect system for those that require a Microscope for inspection but with the option to view images on a monitor. The monitor is mounted at eye level to reduce eye and neck strain.

Features

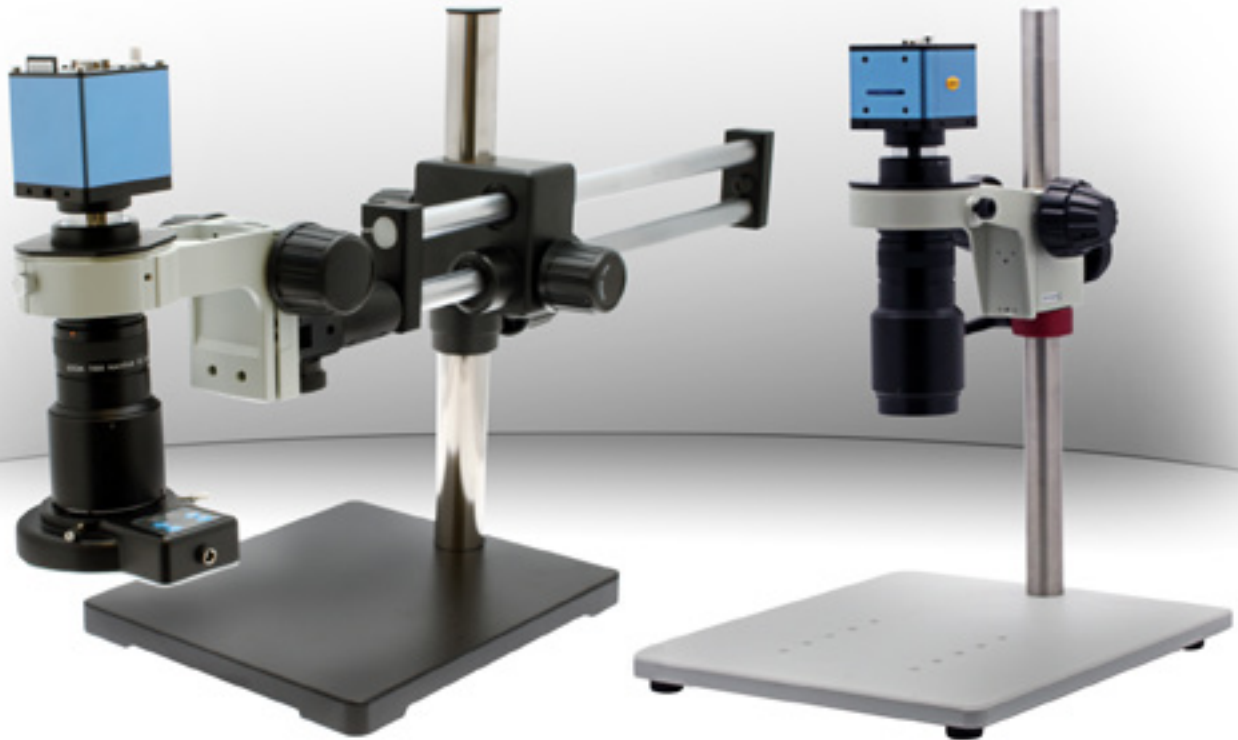
- SPZT-50 stereo zoom microscope with 10x eyepieces
- Best in class zoom ratio of 7.46:1
- 17mm high eye point, wide field 10x eyepieces (field number: 23) for comfortable viewing
- Diopter adjustment on the vertical tube for fine adjustment
- 8" LCD monitor
- VGA HD color camera 2M
- Fluorescent illumination
- PFM stand with focus mount

VIS-750 PRECONFIGURED SYSTEM	
ILLUMINATION	Fluorescent
MOUNT	PFM Stand with Focus Mount
MAGNIFICATION ON MONITOR	27x to 211x
FIELD OF VIEW	6 to 1.5mm

VIS-750 PRECONFIGURED SYSTEM					
AUXILIARY LENS	Nil	0.5x	0.75x	1.6x	2.0x
MAGNIFICATION	6.75x to 50x	3.35x to 25x	5x to 37.5x	10.72x to 80x	13.4x to 100x
WORKING DISTANCE (DHW10X))	108mm	240mm	132mm	50mm	41mm
FIELD OF VIEW	34.3-4.6mm	68.9-9.2mm	45.7-6.1mm	21.4-2.8mm	17.1-2.3 mm

Part #	Description
26800B-114	VIS-750 w/Fluorescent Illumination
26800B-116	VIS-750 w/Fiber Optic Illumination

Visit www.aveninc.com to create your own custom Video Inspection System.



Macro Zoom Video Inspection System

Our macro systems are designed for large field of view applications. The macro lens features an iris control to control the light input, a zoom knob, and fine focus control. In most cases additional illumination is NOT required.

Features

- 6X Macro zoom lens
- LED ring light with brightness and sector control (26200B-211)
- E-Arm with focus control (E-Arm)
- VGA 1.3M HD color camera with built-in SD Card (26100-253)
- Standard stand (26800B-570) or dual arm boom stand (26800B-534)
- Save images to built in SD Card. PC not required

A PC is NOT required for image processing, however you will require a PC monitor (19" or above) for viewing images.

Visit www.aveninc.com to create your own custom Video Inspection System.

MACRO ZOOM PRECONFIGURED SYSTEM

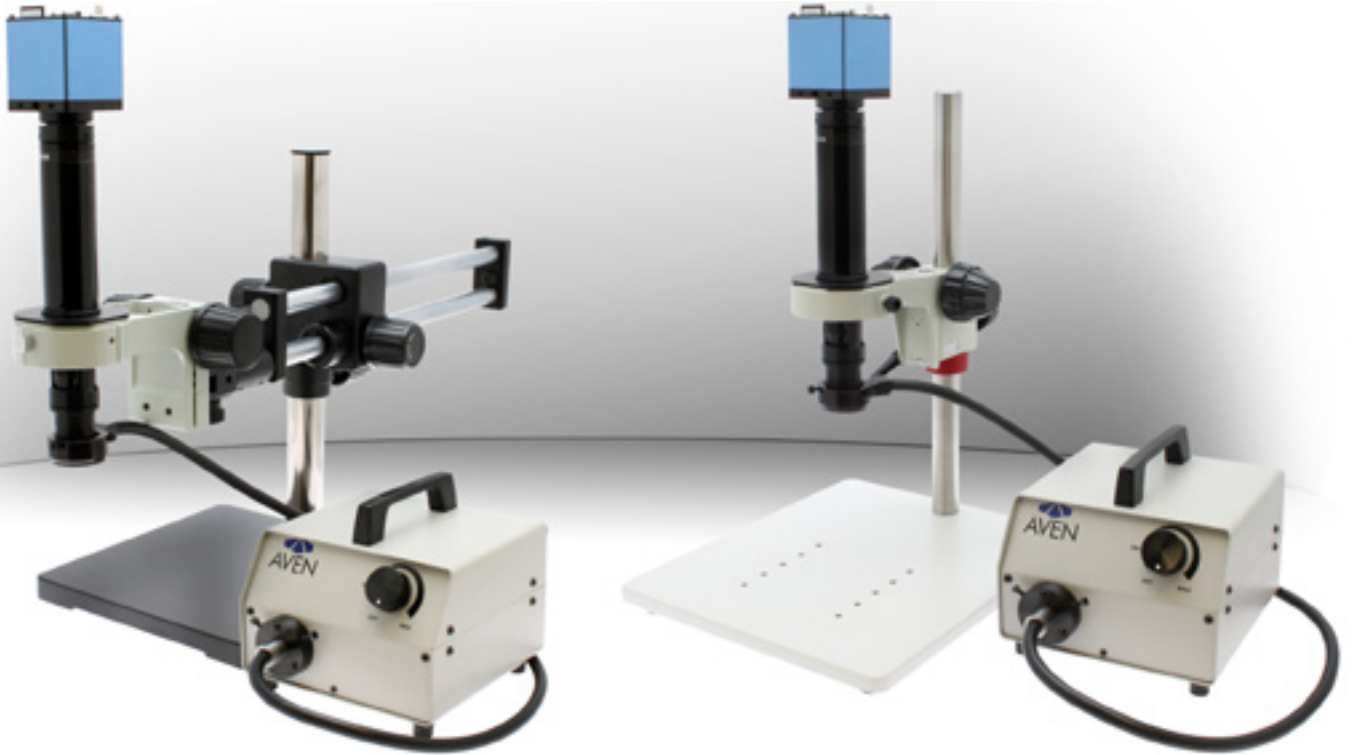
MAGNIFICATION	12x-71x
FIELD OF VIEW	25.9 to 4.3mm
WORKING DISTANCE	127mm

MACRO ZOOM PRECONFIGURED SYSTEM

WORKING DISTANCE	FOV @ Low Mag	FOV @ High Mag	Magnification Range
5"	25.9 x 19.5	4.3 x 3.2	12x to 71x
7"	38.9 x 29.2	6.5 x 4.9	8x to 47x
8"	58.3 x 43.7	9.7 x 7.3	5x to 31x
10"	58.3 x 43.7	9.7 x 7.3	5x to 31x

**Specifications w/Close Up Lens and a 19" monitor*

Part #	Description
26700-103-00	Macro Zoom VIS Standard Stand
26700-103-10	Macro Zoom VIS Dual Arm Boom Stand



Micro Zoom **Video Inspection System**

Our Micro video inspection systems are designed for high magnification applications. These preconfigured systems are supplied with a Micro lens system mounted either on our standard or double arm boom stand, fiber optic illumination and a VGA HD camera with a built-in SD card for storing images. A PC is not required.

Features

- Micro lens zoom lens with fine focus 0.7x to 4.5x
- 1x coupler and a 0.5x objective lens
- Focus mount with coarse and fine focus
- VGA 1.3M HD color camera with built-in SD card
- Fiber optic illuminator (150 Watt) with ring light
- Standard stand (26800B-570) or dual arm boom stand (26800B-534)

A PC is NOT required for image processing, however you will require a PC monitor (19" or above) for viewing images.

Visit www.aveninc.com to create your own custom Video Inspection System.

MICRO ZOOM PRECONFIGURED SYSTEM

MAGNIFICATION	30x-190x (20in Monitor)
FIELD OF VIEW	17.6 to 3mm
WORKING DISTANCE	198mm

Part #	Description
26700-102-00	Micro Zoom VIS Standard Stand
26700-102-10	Micro Zoom VIS Dual Arm Boom Stand
26700-102-15	Micro Zoom VIS Standard Stand w/HD Camera with Measurement software

Upgrade to our HD Camera with Measurement Software Item #26100-254. This camera has built-in measurement software. Allows you to perform high accuracy measurement with ease. A PC is not required. Measurement data and images can be saved to an SD card. Call us we can help you configure a system to meet your requirements.



Macro View Scope **Video Inspection System**

The Macro View Scope offers easy observation on the clear LCD screen for inspections and working a variety of fields. Clear, crisp and bright images are produced with the excellent optics. The Macro View Scope features a wide field of view and long working distance. Simply rotate the lens to select the magnification. A 2x optional lens is available to increase the magnification.

Features

- Easy inspection on 10" LCD screen
- Wide field of view and long working distance
- Two parfocal Lenses (8x & 10x)
- Built in LED lighting with intensity control
- 2x Auxiliary lens available as option

A PC is NOT required for image processing, however you will require a monitor for viewing images.

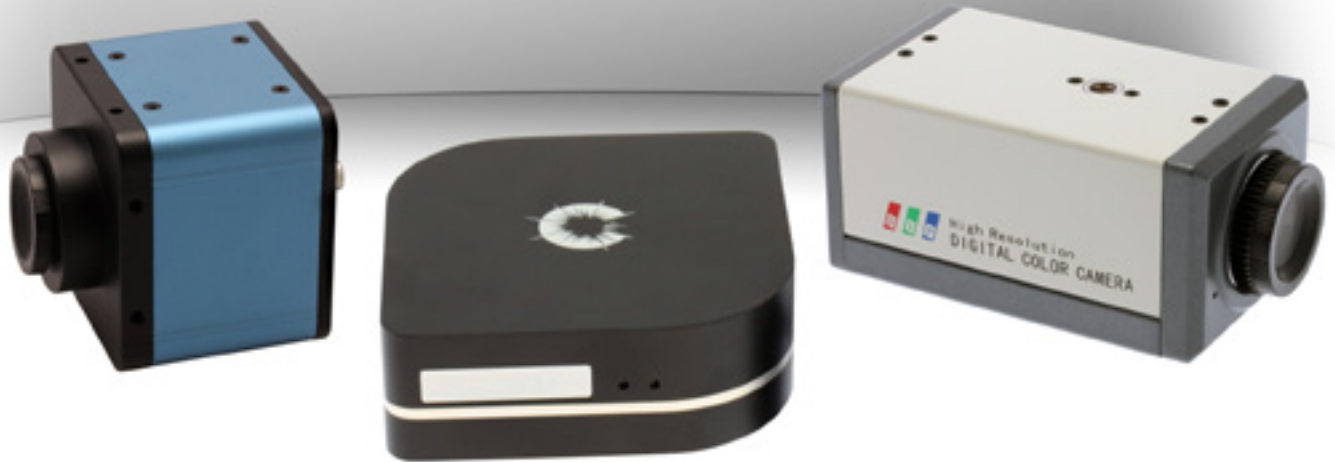
Visit www.aveninc.com to create your own custom Video Inspection System.

MACRO VIEW SCOPE PRECONFIGURED SYSTEM

MAGNIFICATION (8" SCREEN)*	8x & 12x
FIELD OF VIEW	20 x 15mm & 13.3 x 10mm
WORKING DISTANCE	144mm
SCREEN	8" color LCD, 800x600 SVGA
CAMERA	1/4 type color CCD, Pal, 310,000 pixels
STAND	Pole Type with LED Illumination

**Magnifications vary depending on size of screen.*

Part #	Description
26700-104-00	Macro View Scope



Digital CMOS & CCD Cameras

for Microscopy & Video Inspection

Digital Cameras

Our digital cameras are available with CMOS (Complimentary Metal Oxide Semiconductor) and CCD (Charge-Coupled Device) sensors in various resolutions. We offer three types of Digital Cameras, with USB output, HDMI output or with VGA output. Our USB and HDMI Digital Cameras come with Image Capture and Measurement software. Our VGA cameras have a variety of features including image storing and measurement. They do not require a PC and connect directly to a PC monitor.



miniVue USB Digital Color Camera

World's first digital color camera for microscopy and video inspection applications with a 2" LCD screen and instant image capture feature with the built-in SD card. A PC is not required for image capture or image viewing, saving bench space and money. A 2.0 USB outlet is provided to connect to a PC. Can be used with any microscope or video lens with a C-Mount.

Part #	Description
26100-230	miniVue USB Digital Color Camera

Accessories included

- USB Shutter Cable
- USB Cable
- TV-Out Cable
- SD Card
- Remote
- Power Supply
- Image Capture Software

MINIVUE USB DIGITAL COLOR CAMERA	
MEGAPIXEL	3.1M
FRAME RATE	28 fps
SENSOR	1/2" Color CMOS
MOUNT	C-Mount
WHITE BALANCE/EXPOSURE	Auto/Manual
GAIN	Auto/Manual (Software Selectable)
USB INTERFACE	2.0
CONTROLLER	Remote and USB
MEMORY CARD	SD/MMC Card
DIMENSIONS SCREEN SIZE	61 x 61 x 74mm 2in
PICTURE VIDEO FORMAT	jpeg/BMP MPEG4
TV OUTPUT	NTSC/PAL

CMOS Cameras Digital



Discovery C15 Color Camera

Discovery C15 camera is remarkable for the ultra low noise-level, robust dynamic range and high sensitivity. The C15 produces more natural and smooth crisp color images than conventional CCD camera because of Discovery's Scientific CMOS sensor.

Features

- Ultra low noise level: C15 uses a correlated double sampling techniques to suppress the noise to a super low level of 3e-RMS.
- Excellent quantum efficiency: About 12% higher than the conventional CCD Camera the high sensitivity provides excellent dark field imaging.
- Wide dynamic range and color reproduction: Low noise level and high range present a 16-bit smooth color gradation image.
- Includes: 0.5x reducer lens, two c-mount adapters and powerful image capture software.

USB DIGITAL CCD COLOR CAMERA	
MEGAPIXEL	1.3M (1270x1030)
FRAME RATE	15 fps (1280x1024px) 30 fps (640x480px)
IMAGE SENSOR	Scientific CMOS
WHITE BALANCE & EXPOSURE	Automatic/Manual
OUTPUT	S-Video and Composite Output
MOUNT	C-Mount
PICTURE VIDEO FORMAT	BMP/JPG/TIFF/RAW AVI
DIMENSIONS	8.9 x 8.9 x 3.1 mm

Part #	Description
26100-242	Discovery C15 Camera



USB Digital **Color Camera** 1.3M

Color matrix technology for high fidelity color reproduction. One click image acquisition and storage. White balance and feature packed software for image capture, sharing, annotation and measurement included.

USB DIGITAL **COLOR CAMERA 1.3M**

MEGAPIXEL SENSOR	1.3M (1280 x 1024) 1/3" Color CMOS
FRAME RATE	15 fps at 1280 x 1024 30 fps at 640 x 480
MOUNT	C mount
WHITE BALANCE & EXPOSURE	Automatic/Manual
USB INTERFACE	2.0

Part #	Description
26100-240	Aven USB Digital Color Camera 1.3M

CMOS **Cameras** Digital



USB Digital **Color Camera** 3M

Color matrix technology for high fidelity color reproduction. One click image acquisition and storage. White balance and feature packed software for image capture, sharing, annotation and measurement included.

USB DIGITAL **COLOR CAMERA 3M**

MEGAPIXEL SENSOR	3.0M (2048 x 1536) 1/2" Color CMOS
FRAME RATE	11 fps at 2048 x 1536 30 fps at 640 x 480
MOUNT	C/CS mount
WHITE BALANCE & EXPOSURE	Automatic/Manual
USB INTERFACE	2.0

Part #	Description
26100-241	Aven USB Digital Color Camera 3M



VGA Color Digital Color Camera

Functions:

- Auto/Manual Exposure
- Auto White Balance
- Cross Line Cursor for Measuring
- Low Lux Setting for Low Light Situations
- Negative function for Greater Contrast
- Freeze Frame when images need to be shown to colleagues

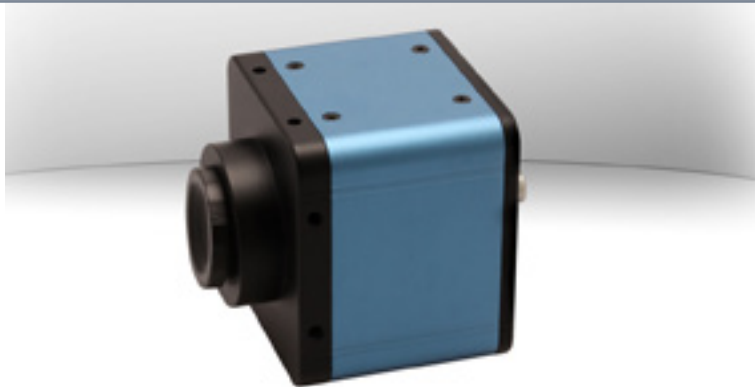
Product Highlights:

- Outputs standard VGA signal allowing you to connect camera to any Standard PC monitor
- No PC required for image processing
- 4 selectable resolution to match resolution of your PC monitor: 1440x900; 1280x1240; 1280x720; 1224x768
- Excellent price per pixel ratio
- Scientific grade 1/3" 2.0M sensor

VGA COLOR DIGITAL COLOR CAMERA	
MEGAPIXEL	2.0M
FRAME RATE	50/60 fps
SENSOR	1/3" Color CMOS
MOUNT	C/CS Mount
WHITE BALANCE	Auto/Manual

Part #	Description
26100-252	VGA Color Digital Color Camera

CMOS Cameras Digital



VGA HD Color Camera w/SD Card

Color HD VGA camera allows you to connect the camera directly to a PC monitor. In addition a built-in SD card allows you to save images. All features of this digital camera can be controlled via on screen menus.

VGA HD COLOR CAMERA W/SD CARD	
MEGAPIXEL SENSOR	1.3M at 24Bit CMOS 1/2.5
FRAME RATE STILL FORMAT	30 FPS at 1280 x 1024 Bitmap
MOUNT	C Mount
WHITE BALANCE & EXPOSURE	Automatic/Manual
OUTPUT MEMORY	VGA SD (2G or Smaller)
Part #	Description
26100-253	VGA HD Color Camera w/SD Card



VGA HD Industrial Color Camera

All-in-one HD camera connects directly to a PC and view images in high resolution in real time. Built-in measurement software allows you to perform accurate measurements of your parts with ease. PS2 mouse input provided. Images with measurements can be saved onto an SD card.

VGA HD COLOR INDUSTRIAL CAMERA W/SD CARD	
MEGAPIXEL SENSOR	1.3M at 24Bit CMOS 1/2.5
FRAME RATE STILL FORMAT	30 FPS at 1440 x 900 Bitmap
MOUNT	C Mount
WHITE BALANCE & EXPOSURE	Automatic/Manual
OUTPUT MEMORY	VGA SD
Part #	Description
26100-254	VGA HD Color Industrial Camera w/SD Card



1080P HD Color Camera

The importance of inspection in HD

Color HD 1080P camera allows you to connect the camera directly to a PC monitor via the HDMI port on the top of the camera. A PC is not required. In addition, a built in SD card and snapshot controller gives you the ability to quickly save images.

All of the features of the 1080P camera can be controlled via on screen menus, such as RGB values, white balance, cross hair grid, and auto exposure.

4 Vertical and 4 horizontal cross hair grids available. 6 color selections.

Features

- Auto Gain exposure to reduce glare
- Capture images in bitmap format on SD Card
- HDMI output with wide screen format
- Live/freeze image
- Multiple cross hair for quick gauging

1080P HD COLOR CAMERA	
MEGAPIXEL	2.0M at 24Bit
FRAME RATE	60 FPS (1920 x 1080)
IMAGE SENSOR	1/3" CMOS
MOUNT	C-Mount
WHITE BALANCE	Automatic/Manual
EXPOSURE	Automatic/Manual
POWER SOURCE	5V 1A (included)
OUTPUT	HDMI
CONTROLLER	Included Remote Snapshot Controller
MEMORY CARD	2G SD Included (32G or smaller Capacity)
DIMENSIONS	87mm x 60mm x 60mm
PICTURE FORMAT	Bitmap
WEIGHT	1.0 lb

Part #	Description
26100-253HD	1080P HD Color Camera



720p HD CCD Camera

The importance of inspection in HD

The 720p HD Camera, with its Sony® 1/3" CCD sensor and quick connection to a monitor or flat screen for image viewing, has a simple plug and play HDMI interface.

The ultra fast refresh rate of up to 60fps allows the user to manipulate the specimen without the image blur and delay common with other cameras. The crisp, true to life, images produce stunning color replication and geometry. It is a great choice for industries that need a brilliant image to examine multiple minute aspects of a specimen as efficiently as possible. The 720p also offers a remote control attachment to gain further control of the image output.

Features

- 720p 1/3" CCD sensor
- 16x9 60fps refresh rate with adjustable shutter speed
- 28 programmable profiles
- Excellent color and detail replication
- Direct connect to HD monitors via HDMI
- On screen menu with optional wired remote controller
- Line generator with adjustable colors and thickness
- Horizontal and vertical shading

720P HD CCD COLOR CAMERA	
RESOLUTION	720p
FRAME RATE	60 fps (1280x720px)
IMAGE SENSOR	1/3" CCD Sony® Sensor w/progressive scan
WHITE BALANCE & EXPOSURE	Automatic/Manual/Push to Set
OUTPUT	HDMI
MOUNT	C-Mount
DIMENSIONS	40 x 40 x 45.8 mm

Part #	Description
26100-255	720p HD CCD Camera
26100-255-CAB	HDMI Cable for 720p HD CCD Camera
26100-255-PWR	Power Supply for 720p HD CCD Camera
26100-255-RC	Wired Remote Control for 720p HD CCD Camera



Handheld & Headband Magnifiers

Magnifiers, loupes, and headband magnifiers are used for general inspection, quality control, inspection of photographs and printing, stamp collections and examination of samples in science and industry.

Loupes with scales are also available.

Our head band magnifiers allow for hands free inspection.



Inspection Loupes w/Cushion

Great for close inspection. Rests comfortably in the eye socket. Lightweight yet sturdy. Plastic mount. Our 8x, 6x and 4x loupes come with rubber cushion for additional comfort.

Part #	Description
26034	13x Inspection Loupe w/o Cushion
26041	8x Inspection Loupe w/Cushion
26042	6x Inspection Loupe w/Cushion
26043	4x Inspection Loupe w/Cushion



Eye Loupe w/LED Light

The Eye Loupe with LED Fits comfortably in eye socket with an optical quality lens mounted onto a plastic frame. The bright LED light with swivel allows you to shine light on item being viewed. Magnification: 10x. Diameter: 25mm.

Part #	Description
26034-LED	Eye Loupe w/LED Light

Handheld Loupes



Inspection Eye Loupe

Fixed focus magnifiers with clear acrylic bases that permit ambient light to illuminate subject for clear bright viewing.

Part #	Description
26051	10x Inspection Loupe w/1in Diameter Lens



Swing Out Inspection Loupes

These loupes feature a triplet lens system corrected for spherical and chromatic aberrations, producing a sharp and distortion free image.

Part #	Description
26010	Swing Out Inspection Loupe 10x Hex
26011	Swing Out Inspection Loupe 10x
26012	Swing Out Inspection Loupe 20x

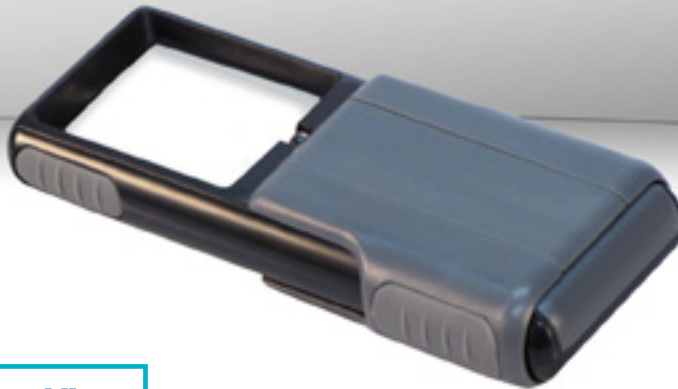


MagniFlash™ Handheld Magnifier

The MagniFlash™ Series magnifiers are part of Carson Optical's new PRO Series. It is a 5x aspheric, LED lighted Magnifier and Flashlight combination. The MagniFlash™ comes with a neck strap and case. They are lightweight and compact to take with you anywhere. Use this high end Magnifier for everyday tasks or hobbies & crafts. Available in 4 Models, the 5x, 7x, 9x and 11x.

Part #	Description
26300-CP-16	MagniFlash™ Handheld Magnifier – 5X
26300-CP-24	MagniFlash™ Handheld Magnifier – 7X
26300-CP-32	MagniFlash™ Handheld Magnifier – 9X
26300-CP-40	MagniFlash™ Handheld Magnifier – 11X

Handheld Magnifiers

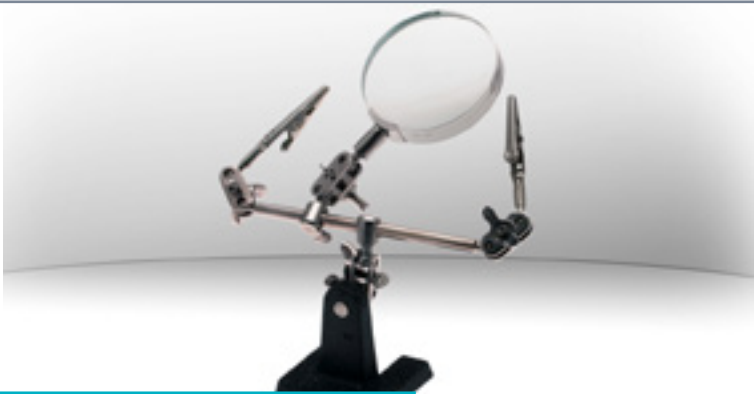


MiniBrite™ Handheld Magnifier

The PO-55 MiniBrite™ Pocket Magnifier from Carson Optical is a compact 5x power slide-out Magnifier with a protective plastic sleeve. The PO-55 comes equipped with a built-in bright LED light. The sharp, distortion-free view is thanks to its crystal-clear acrylic aspheric lens. The MiniBrite™ is a handy tool for those with low vision and is excellent for reading everyday items.

The MiniBrite™ Pocket Magnifier is compact enough to fit in your shirt pocket or purse.

Part #	Description
26300-PO55	MiniBrite™ Handheld Magnifier



Magnifier w/Clamps

Has an adjustable 2 1/2" diameter magnifying glass. Allows for close observation of work during soldering operation.

Part #	Description
26000	Magnifier w/Clamps



OptiVue Headband Magnifier

Comfortable headband magnifier easily slides onto head with ultra clear precision optical light weight acrylic lenses. Flexible frame shapes easily to properly fit any size head.

Part #	Description
26225	OptiVue Headband Magnifier - 2.25x

Handheld Loupes



OptiSight Headband Magnifier

OptiSight magnifying visor provides hands-free magnification for more accurate and efficient viewing. The visor tilts up for normal viewing, or down for magnification. OptiSight brings work closer into focus, reducing eye strain and fatigue.

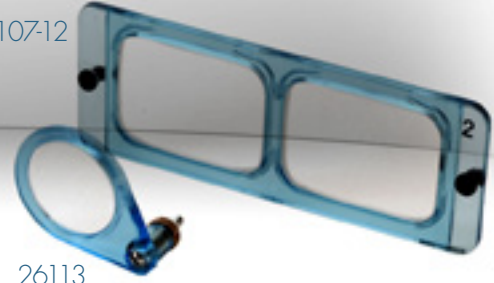
Part #	Description
26224	OptiSight Headband Magnifier

Features:

- Precision optical grade acrylic prismatic lens.
- Included are three different interchangeable lens plates that are simple to change. 3x, 4 x, & 5x magnification. Also available, (LE-7) 7x magnification.
- Visor can be worn over prescription or safety glasses.
- Visor design shields out unwanted glare.
- High strength plastic will not break.



26107-12



26113

OptiVisor Headband Magnifier

Soft pliable wide headband for ultimate comfort. Easily adjusts to any head size. Self locking, remains in place. Glass lens.

Part #	Description
26101	OptiVisor Headband Magnifier – 1.5x
26102	OptiVisor Headband Magnifier – 1.75x
26103	OptiVisor Headband Magnifier – 2x
26104	OptiVisor Headband Magnifier – 2.5x
26105	OptiVisor Headband Magnifier – 2.75x
26106	OptiVisor Headband Magnifier – 3.5x

Part #	Description
26107	Replacement Lens #2 – 1.5x
26108	Replacement Lens #3 – 1.75x
26109	Replacement Lens #4 – 2x
26110	Replacement Lens #5 – 2.5x
26111	Replacement Lens #7 – 2.75x
26112	Replacement Lens #10 – 3.5x
26113	Auxiliary Lens – 2.5x

Handheld Loupes



Headband Magnifier w/LED Light

The Headband Magnifier with LED light from the Carson Optical PRO Series is a Hands Free, head-worn Magnifier with 4 different lenses; 1.5x, 2x, 2.5x and 3x. It comes with an adjustable headband. The removable LED lamp can be used as a free standing light source. The Headband Magnifier with LED light is perfect for all hobbies and crafts! The Headband Magnifier with LED light is the perfect Low Vision Aid. 3 AAA batteries (Not Included)

Part #	Description
26221	Headband Magnifier with LED light



Task & Magnifying **Lamps**

Clarity and Magnification

Good lighting, image clarity and magnification are all essential elements for anyone doing precision assembly or design work. No matter which of our many fine Magnifying Lamps or task lights you choose, you'll get a high precision, quality vision enhancement tool that will reduce eye strain and fatigue.



Magna Deluxe 20" Lamp

A whole new class of elegant looking fluorescent light from Aven designed to give you crisp, flicker-free lighting, and a maximum uniformity together with a larger lighting area. The 20" lighting head is totally enclosed and features a 55 watt fluorescent bulb. Features a built-in electronic ballast for increased lumen.

The heavy duty industrial grade adjustable arm with tempered steel springs and tension control knobs allows you to easily position the lamp where you want it. The head swivels 310° and tilts 210° for maximum adjustment. Comes with a mounting clamp and a 5ft power cord. Operates 115 VAC. 1 year warranty (excludes bulb).

MAGNA DELUXE 20" FLUORESCENT LAMP

LIGHTING HEAD	20in
POWER CORD	5ft
OPERATING VOLTAGE	115 VAC
WARRANTY	1 Year (excludes bulb)

Part #	Description
26516-D155	Magna Deluxe 20" Fluorescent Lamp

Task Lamps Fluorescent



Magna Deluxe XL 3 Tube Lamp

Features:

- 45W fluorescent lamp (3 tubes, 15 Watts each) for demanding visual tasks
- Switches allow you to turn on one, two, or three lamps to suit your needs
- Spring balanced 35" arm allows rapid positioning of the light and will stay in position needed for your application
- All metal construction with baked on enamel finish
- Built-in electronic ballast
- C-clamp included for mounting to tables up to 2" thick
- 3-cord plug

Part #	Description
26516-D3T	Magna Deluxe XL 3 Tube Fluorescent Lamp



Sirius Flex Arm Task Light

Excellent for all types of applications requiring high intensity illumination, such as manufacturing, assembly, and inspection. Flex arm for infinite adjustments. Lamp Head can be moved in up and down direction. 20 Watt Halogen bulb included. Arm size of 520mm (20.5") Can accept up to 50 watt bulb. C-Clamp is included. Optional Magnetic Base also available. Industrial Grade Quality.

Part #	Description
26525	Sirius Flex Arm Task Light
26520-MB	Sirius Magnetic Base



**Best
SELLER**



ProVue Magnifying Lamp

Our most popular magnifying lamp is designed for professionals. It is equipped with an ultra-bright 22-watt circular fluorescent bulb and a Crystal Clear 5", 3-diopter (1.75x) glass lens to provide 360° distortion free viewing. Metal housing is mounted on a 45" spring balanced arm that stays set in any position. Lamp operates at 115 VAC and comes complete with mounting clamp and a 5-foot power cord. 1 year warranty (excludes bulb).

PROVUE MAGNIFYING LAMP

MAGNIFICATION	1.75X (3-Diopter)
LENS DIAMETER	5in
ADJUSTABLE ARM LENGTH	45in
COLOR	Ivory
BULB	22 Watt Fluorescent

Part #	Description
26501-SIV	ProVue Magnifying Lamp - Ivory, 3-Diopter
26501-B22	22-watt Replacement Bulb
26501-SLA	Swing-Away Lens - 5-Diopter (2.25x)
26501-AL3	Auxiliary Lens - 3-Diopter (1.75x)
26501-RC	Replacement Clamp





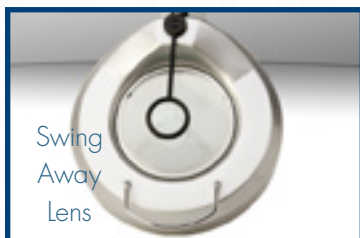
ProVue Deluxe Magnifying Lamp

Features a **Heavy-Duty Resistance Arm**. Designed for demanding professionals. It is equipped with an ultra-bright 22-watt circular fluorescent bulb, a Crystal Clear 5", 5-diopter (2.25x) lens, mounted on a silver-grey metal housing. The heavy-duty adjustable arm allows for easy positioning. When fully extended the arm has a reach of 35". Comes with a mounting clamp. Can also be mounted directly on the working surface. Operates at 115 VAC and comes with a 5-foot power cord. 5 year warranty (excludes bulb).

PROVUE DELUXE MAGNIFYING LAMP

MAGNIFICATION	2.25X (5-Diopter)
LENS DIAMETER	5in
ADJUSTABLE ARM LENGTH	35in
COLOR	Brushed Silver
BULB	22 Watt Fluorescent

Part #	Description
26501-DSG	ProVue Deluxe Magnifying Lamp - Silver, 5-Diopter
26501-B22	22-watt Replacement Bulb
26501-SLA	Swing-Away Lens - 5-Diopter (2.25x)
26501-AL3	Auxiliary Lens - 3-Diopter (1.75x)



Swing
Away
Lens



Auxiliary
Lens

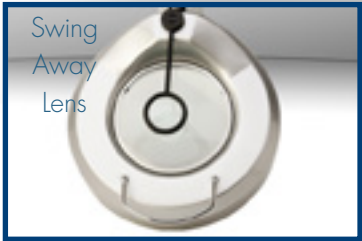


Replacement Bulb



**Best
SELLER**

Included

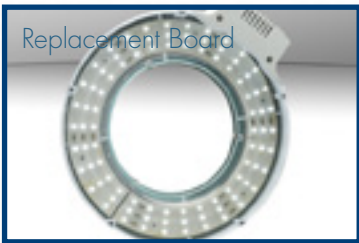


ProVue LED Magnifying Lamp

LED Powered ProVue Magnifying Lamp, featuring 90 High Powered LED Lights and a new arm design for an elegant look. Equipped with a 5" Crystal Clear, 3-diopter (1.75x) glass lens to provide distortion free viewing. The Light is mounted to a 45" spring balanced arm with concealed springs and tension adjustment knobs that stays set in any position. The LED Powered ProVue is encased in a lightweight engineered plastic housing. The lamp Operates at 115 V-AC. A table clamp is included for mounting.

PROVUE LED MAGNIFYING LAMP	
MAGNIFICATION	1.75X (3-Diopter)
LENS DIAMETER	5in
ADJUSTABLE ARM LENGTH	45in
COLOR	White
BULB	90 LEDs

Part #	Description
26501-LED	ProVue LED Magnifying Lamp - White, 3-Diopter
26501-RBLED	Replacement Board with 90 LEDs
26501-AL3	Auxiliary Lens - 3-Diopter (1.75x)





ProVue Touch LED Magnifying Lamps

Features:

- Modern slim design
- Large 7" Crystal Clear 1.75x (3 diopter) lens
- 3.00x – 8 diopter mounted power spot lens
- ABS plastic housing
- Lens can be easily removed and replaced when necessary
- Lens cover included for protection
- 35" industrial grade spring balanced enclosed arm. Stays put in any position
- Built in metal grips for quick and easy positioning
- Heavy duty metal clamp with a 3-1/2" opening
- Dual voltage: Operates at 110v or 220v

ProVue Touch:

- 108 energy saving white LEDs provides shadow free illumination. (Lumen: 420LM) (Color Temperature: 6400K)
- Touch Sensitive 3 stage on-off switch & for controlling light intensity

ProVue Dual Touch:

- 180 energy saving LEDs provides shadow free illumination. (72 UV LEDs operating at 395-400NM). (UV: 102LM | LED Light 420LM) (Color Temperature 6400K)
- Two Touch Sensitive 3 stage on-off switch & for controlling light intensity

PROVUE TOUCH LED MAGNIFYING LAMPS

MAGNIFICATION	1.75X (3-Diopter) 3.00x (8-Diopter) Spot Lens
LENS DIAMETER	7in
ADJUSTABLE ARM LENGTH	35in
COLOR	White
BULB	108 LEDs (Touch) 180 LEDs (Dual Touch)

Part #	Description
26508-LED	ProVue Touch LED Magnifying Lamp - White
26508-LDV	ProVue Dual Touch LED Magnifying Lamp - White



Mighty Vue Magnifying Lamp

The Mighty Vue features a large 7" x 5.2", 3-diopter (1.75x), distortion free Crystal Clear lens mounted in a high tech mar-resistant engineered plastic housing with dual light sources. The large, rectangular viewing area enables comfortable viewing with both eyes and provides shadow-free magnification with light coming from both sides. The housing is mounted to an internal spring balanced arm with a 30" reach that will set in any position. Unit operates at 115 VAC and comes complete with mounting camp and a 5-foot power cord. 1 year warranty (excludes bulb). The LED version features a 3-diopter (1.75x) lens and 32" balanced arm.

MIGHTY VUE MAGNIFYING LAMP	
MAGNIFICATION	1.75X (3-Diopter)
LENS DIAMETER	7 x 5.2in
ADJUSTABLE ARM LENGTH	30in 32in (LED)
COLOR	Ivory ESD Safe Black White
BULB	Two 9 Watt Fluorescent 80 LEDs

Part #	Description
26505-SIV	Mighty Vue Magnifying Lamp - Ivory, 3-Diopter
26505-LED	Mighty Vue Magnifying Lamp - White, LED, 3-Diopter
26505-ESD	Mighty Vue Magnifying Lamp - Black, ESD Safe, 3-Diopter
26505-ESL	Mighty Vue Magnifying Lamp - Black, LED, ESD Safe, 3-Diopter
26505-B09	9 Watt Replacement Bulb
26505-RC	Replacement Clamp - 26505-SIV
26505-RD	Replacement Clamp - 26505-ESD
26501-SLA	Swing-Away Lens - 5 Diopter (2.25x)





OptiVue Magnifying Lamp

OptiVue combines function and form in one small unit. With a powerful 48 LED panel, an all capable 3-diopter lens and a highly flexible gooseneck, this small "goes anywhere" dynamo provides illumination and magnification wherever you need.

Features:

- Combines function and form in one small package
- Powerful energy efficient 48 LED's provide shadow free illumination
- Luminance: 1100 Lux
- Lens size: 3.5"
- 3 Diopter lens
- Flexible gooseneck arm

Specifications:

- Input voltage: 110V
- Power: 3.5W

OPTIVUE MAGNIFYING LAMP

MAGNIFICATION	1.75X (3-Diopter)
ADJUSTABLE ARM LENGTH	Flexible Goose Neck
COLOR	Black
BULB	48 White LEDs

Part #	Description
26507-SBK	OptiVue Magnifying Lamp - Black, 3-Diopter



Aven **Borescopes**

Aven Borescopes are commonly used in the visual inspection of aircraft engines, aeroderivative industrial gas turbines, steam turbines, diesel engines and automotive/truck engines. Gas and steam turbines require particular attention because of safety and maintenance requirements. Borescope inspection of engines can be used to prevent unnecessary maintenance, which can become extremely costly for large turbines. They are also used in manufacturing of machined or cast parts to inspect critical interior surfaces for burrs, surface finish or complete through holes. Forensic applications in law enforcement and building inspection are also common uses for borescopes.



Mig Video Borescope

Aven Borescopes are commonly used in the visual inspection of aircraft engines, aeroderivative industrial gas turbines, steam turbines, diesel engines and automotive/truck engines. Gas and steam turbines require particular attention because of safety and maintenance requirements. Borescope inspection of engines can be used to prevent unnecessary maintenance, which can become extremely costly for large turbines. They are also used in manufacturing of machined or cast parts to inspect critical interior surfaces for burrs, surface finish or complete through holes. Forensic applications in law enforcement and building inspection are also common uses for borescopes.

Kit Includes:

- MIG hand held unit with 3.5" LCD display
- 3' cable with built-in LED lights
- SD memory card (1GB)
- 35°, 45° and 55° Mirror attachments
- Magnetic tip attachment
- USB cable
- Video cable
- Cleaning cloth
- Cotton swabs
- Heavy duty water proof blow mold case

MIG VIDEO BORESCOPE

CABLE LENGTH	36"
IMAGE SENSOR	CMOS Color
DISPLAY RESOLUTION	320 (H) x 240 (V)
CABLE DIAMETER	5mm
FRAME RATE	30 fps
EXPOSURE	Automatic
WHITE BALANCE	Fixed
FIELD OF VIEW	67°
LIGHT SOURCE	4 LED
POWER	DC 5V
DISPLAY SIZE	3.5 x 3.5 in
BATTERY	Rechargeable Li-Polymer 3.7V
VIDEO FORMAT	MPEG4
RECORDING MEDIUM	SD card (Max 2 G)
STILL IMAGE FORMAT	JPEG (640 x 480)
FUNCTIONS	AV Out Quick Review Quick Snap Quick Video Recording Video/Picture Viewer

Part #	Description
26700-610	MIG Video Borescope



E-Z Borescope

Aven E-Z Scope is a light weight and convenient hand held inspection device. It has a high resolution 2.5" color LCD Screen coupled to a digital camera that provides crystal clear images of hard to reach areas. Unit features LED brightness control to provide optimal image quality. Unit is equipped with a durable, detachable 3' (1 meter) watertight flexible cable with a diameter of 10mm (0.39") to help you get in and around tight spaces.

Kit Includes:

- E-Z Scope hand held unit with 2.5" color LCD screen with brightness control
- Detachable 3' flexible and obedient cable with LED illumination
- Magnetic screw on tip for retrieving metal objects from hard to reach places
- 90° mirror attachment for additional viewing capability
- Metal hook attachment
- 4 AA batteries
- Cotton swabs and cleaning cloth
- Carrying case with shoulder strap

E-Z BORESCOPE

CABLE LENGTH	36"
DISPLAY RESOLUTION	320 (H) x 240 (V)
CABLE DIAMETER	10mm
LIGHT SOURCE	LED Min 0 Lux, Max 850 Lux (at 10cm)
DISPLAY SIZE	2.5 x 2.5 in
BATTERY	6V DC (4 AA Batteries)

Part #	Description
26700-620	E-Z Borescope



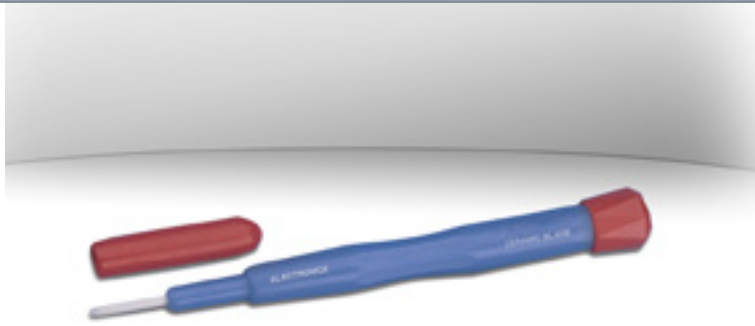
Alignment Tools

Ceramic Alignment Tools

The right tool for the job-- sure, you can use a jeweler's screwdriver to adjust trim-pots and caps, but how often do you have to guess at the result because the tool is interfering with the circuit? Aven (alignment tool) is **non-inductive, non-magnetic, thermally and electrically insulated, and anti-static**. Available in various sizes, you will find the right tool for most of the trim caps and pots on circuit boards. The ceramic tip is rugged, and will last a lifetime if you don't try to use it as a screwdriver. There is a "palm pivot" on the end, so you can turn it through 360° without having to reposition it, and it comes with a plastic protector for the tip.

Alignment Tool Kits

Ideal for Electronic or TV Technicians, or for adjusting conventional components including IF cans, RF coils, trimmers, potentiometers, etc.



Ceramic Screwdrivers | Phillips

Ceramic blades for zero electromagnetic induction. Outlasts metal and plastic tools. 15mm blade length available in different sizes.

Part #	Description
13218	Ceramic Alignment Screwdrivers - PH00 Phillips
13219	Ceramic Alignment Screwdrivers - PH0 Phillips
13220	Ceramic Alignment Screwdrivers - PH1.7 Phillips

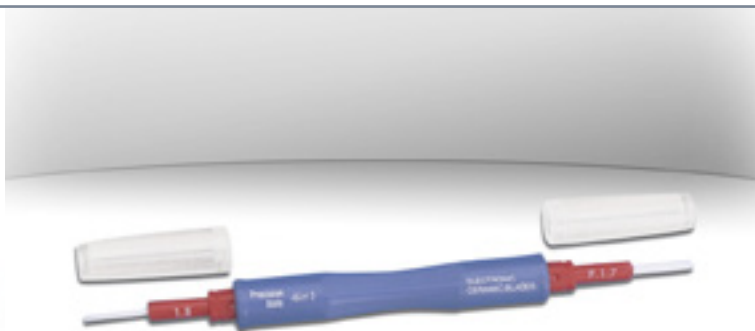


Ceramic Screwdrivers | Slotted

Ceramic blades for zero electromagnetic induction. Outlasts metal and plastic tools. 15mm blade length available in different sizes.

Part #	Description
13221	Ceramic Alignment Screwdrivers - 1.3mm Slotted
13222	Ceramic Alignment Screwdrivers - 2.6mm Slotted
13224	Ceramic Alignment Screwdrivers - 0.9mm Slotted
13225	Ceramic Alignment Screwdrivers - 1.8mm Slotted

Alignment Tools



4-in-1 Ceramic Screwdriver

A handy tool consisting of two double end ceramic bits.

Phillips: 0 and 1.8mm

Slotted: 1.7mm and 0.9mm

Supplied with two protective plastic caps.

Part #	Description
13230	4-in-1 Ceramic Alignment Screwdriver



6-Piece Ceramic Screwdriver Set

A handy set consisting of the most popular ceramic adjusters. Blade length is 15mm and the following sizes are included:

Phillips: PH0 and PH1.7

Slotted: 0.9mm, 1.3mm, 1.8mm, and 2.6mm

Part #	Description
13231	6-Piece Ceramic Alignment Screwdrivers Set



9-Piece Anti-Static **Alignment Tool Kit**

This Pocket Kit contains nine alignment tools constructed from a special nylon type material that cannot retain a static charge.

Features:

- Pocket Size
- ESD Safe

Part #	Description
13016	9-Piece Anti-Static Alignment Tool Kit

Kit Includes:

- .050" Nylon Hex, 3/32" Steel Slotted
- .085" Steel Slotted, .085" Recessed Steel Slotted
- 1/32" Nylon Slotted, 1/8" Recessed Steel Slotted
- 1/32" Slotted Nylon Tips
- 1/32" Square, .100" Hex
- 1/8" Steel Slotted, 1/8" Recessed Steel Slotted
- 2x 5/64" Nylon Hex
- 5/64 Hex, .100" Hex

Alignment **Tools**



25-Piece Master **Alignment Tool Kit**

This comprehensive selection of the most commonly used alignment tools and adjusters is invaluable to anyone's tool kit. The 25-piece set includes all the trimmer/ potentiometer and RF coil adjusting tools available. Designed for the electronic technician who likes a complete assortment of alignment and adjustment tools. Kit also includes tools used on mobile communication, marine, and amateur gear.

Kit includes:

- All the Trimmers/Potentiometer and RF coil adjusting tools available

Part #	Description
13500	25-Piece Master Alignment Tool Kit



Wire Stripper

Features:-

- Strips wire AWG 20 to 10 (0.8mm to 2.6mm)
- Cuts soft copper wire
- Has a serrated jaw and a narrow nose for pulling and looping wire and tightening small nuts
- Cushioned Grips
- Length 6"
- Made from high grade carbon steel

Part #	Description
10134B	Wire Stripper – AWG 10 to 20



Precision Crimping Tool

Features:-

- Precisely machined dies
- Set Pin ensures that the joint does not come loose
- Hardened to C55 with Teflon Coating

PA-09: Capable of crimping 1.25 to 2.5mm pitch connector pin (narrow-pitch). You can also crimp AWG #32 to 20 wires in micro connectors or D-Sub Connectors.

PA-20: Capable of crimping 2.5 to 5mm pitch connector pin (universal type), eg Molex, AMP (Tyco), JST, HRS

Part #	Description
10140	Crimping Tool – Micro Connectors PA-09
10141	Crimping Tool – Large Connectors PA-20

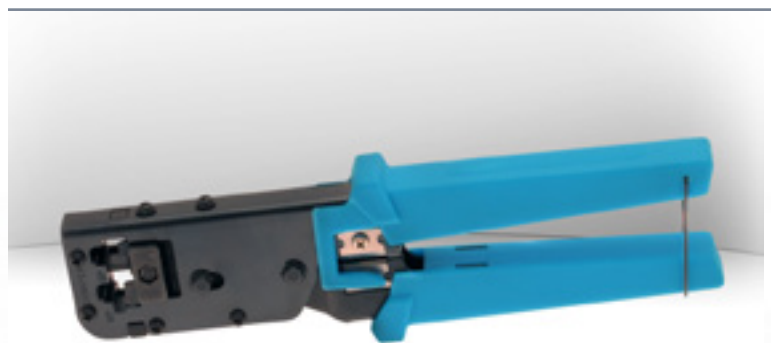
Crimping Tools



Crimping Tool - Wire Ferrules

Built-in ratchet ensures a complete crimp every time. Tools feature a safety release that allows you to stop a faulty crimp before the crimping cycle is complete. You can change dies using a screwdriver. Made of steel with molded plastic handles.

Part #	Description
10178	Crimping Tool – Wire Ferrules 12-22 AWG
10179	Crimping Tool – Wire Ferrules 6-10 AWG



Crimping Tool - Modular Plugs

This crimping tool is designed to for crimping RJ45 and RJ11 modular plugs. Both dies are built into this tool. Also has a built in cutter and stripper to make it easier to prepare wire before crimping. Ratcheted action.

Part #	Description
10182	Crimping Tool – Modular Plugs



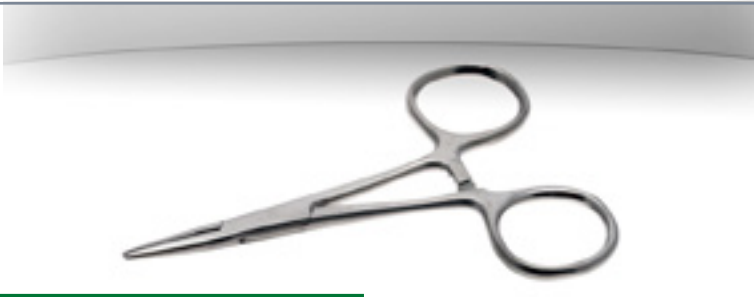
Hemostats **and** Probes

Hemostats

These versatile tools, can be used as clamps, heat sinks, third hands, etc., while soldering. They have serrated jaws and a three position locking device. Made from Stainless Steel.

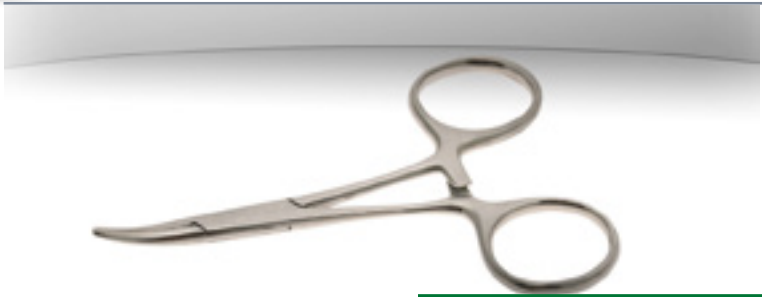
Stainless Steel Probes

These needle sharp probes are ideal for precision work around delicate circuits and components. They have wire tips that are non rusting and non-contaminating. Handles are hex shaped for a good grip and no rolling. Made from stainless steel. Length 5-3/4" to 6".



Hemostat **Straight**

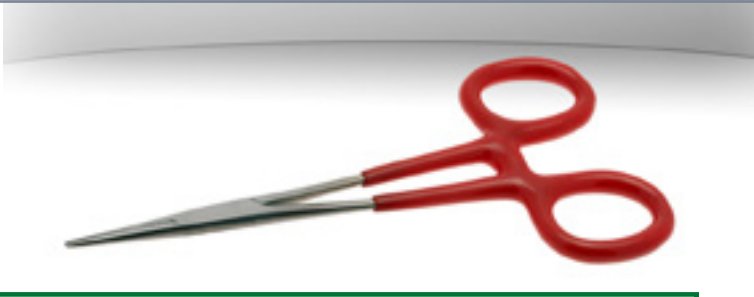
Part #	Description
12001	Hemstat – Straight 3.5in



Hemostat **Curved**

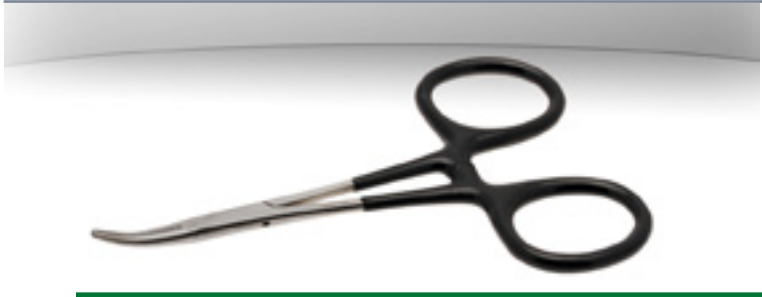
Part #	Description
12002	Hemstat – Curved 3.5in

Hemostats **Stainless Steel** w/3 Locking Positions



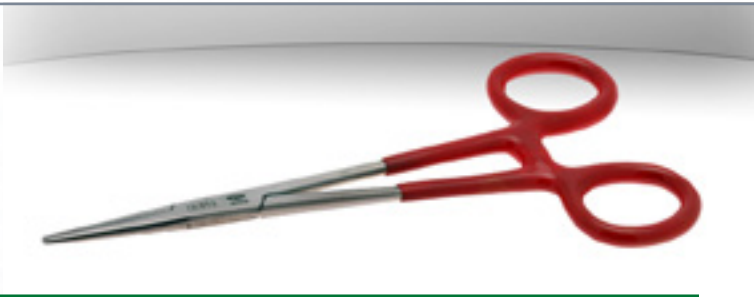
Hemostat **Straight** w/Plastic Coated Handles

Part #	Description
12011	Hemstat – Straight 5in w/Plastic Coated Handle



Hemostat **Curved** w/Plastic Coated Handles

Part #	Description
12012	Hemstat – Curved 5in w/Plastic Coated Handle



Hemostat **Straight** w/Plastic Coated Handles

Part #	Description
12013	Hemstat – Straight 6in w/Plastic Coated Handles



Hemostat **Curved** w/Plastic Coated Handles

Part #	Description
12014	Hemstat – Curved 6in w/Plastic Coated Handle



Hemostat **Straight**

Part #	Description
12015	Hemstat – Straight 5in



Hemostat **Curved**

Part #	Description
12016	Hemstat – Curved 5in

Hemostats **Stainless Steel** w/3 Locking Positions



Hemostat **Straight**

Part #	Description
12017	Hemstat – Straight 6in



Hemostat **Curved**

Part #	Description
12018	Hemstat – Curved 6in



Hemostat **Straight**

Part #	Description
12019	Hemstat – Straight 8in
12021	Hemstat – Straight 16in
12030	Hemstat – Straight 18in
12032	Hemstat – Straight 24in



Hemostat **Curved**

Part #	Description
12020	Hemstat – Curved 8in
12022	Hemstat – Curved 16in
12031	Hemstat – Curved 18in
12033	Hemstat – Curved 24in



Stainless Steel **Probe**

Part #	Description
20031	Stainless Steel Probe



Stainless Steel **Probe**

Part #	Description
20032	Stainless Steel Probe

Probes **Stainless Steel**



Stainless Steel **Probe**

Part #	Description
20033	Stainless Steel Probe



Stainless Steel **Probe**

Part #	Description
20034	Stainless Steel Probe



Stainless Steel **Probe**

Part #	Description
20035	Stainless Steel Probe



Stainless Steel **Probe**

Part #	Description
20036	Stainless Steel Probe



Stainless Steel **Probe**

Part #	Description
20037	Stainless Steel Probe



Stainless Steel **Probe**

Part #	Description
20038	Stainless Steel Probe

Probes **Stainless Steel**



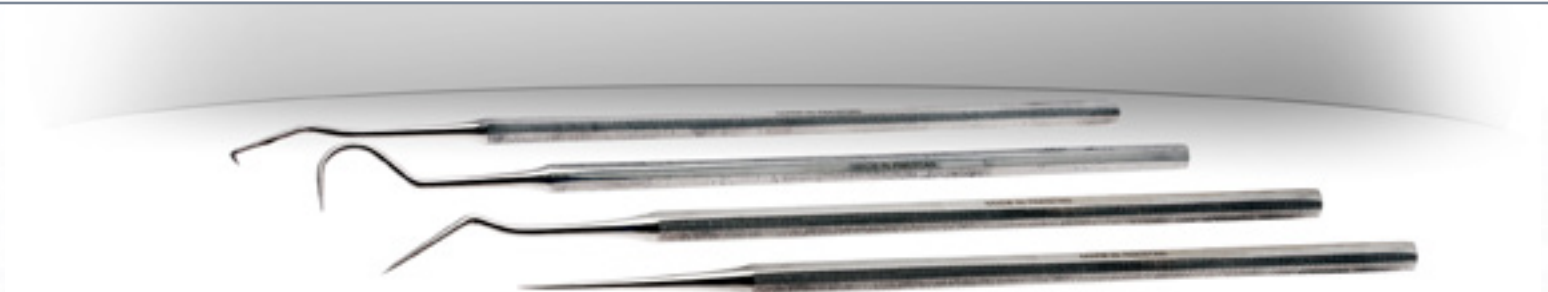
Stainless Steel **Probe**

Part #	Description
20039	Stainless Steel Probe



Stainless Steel **Probe**

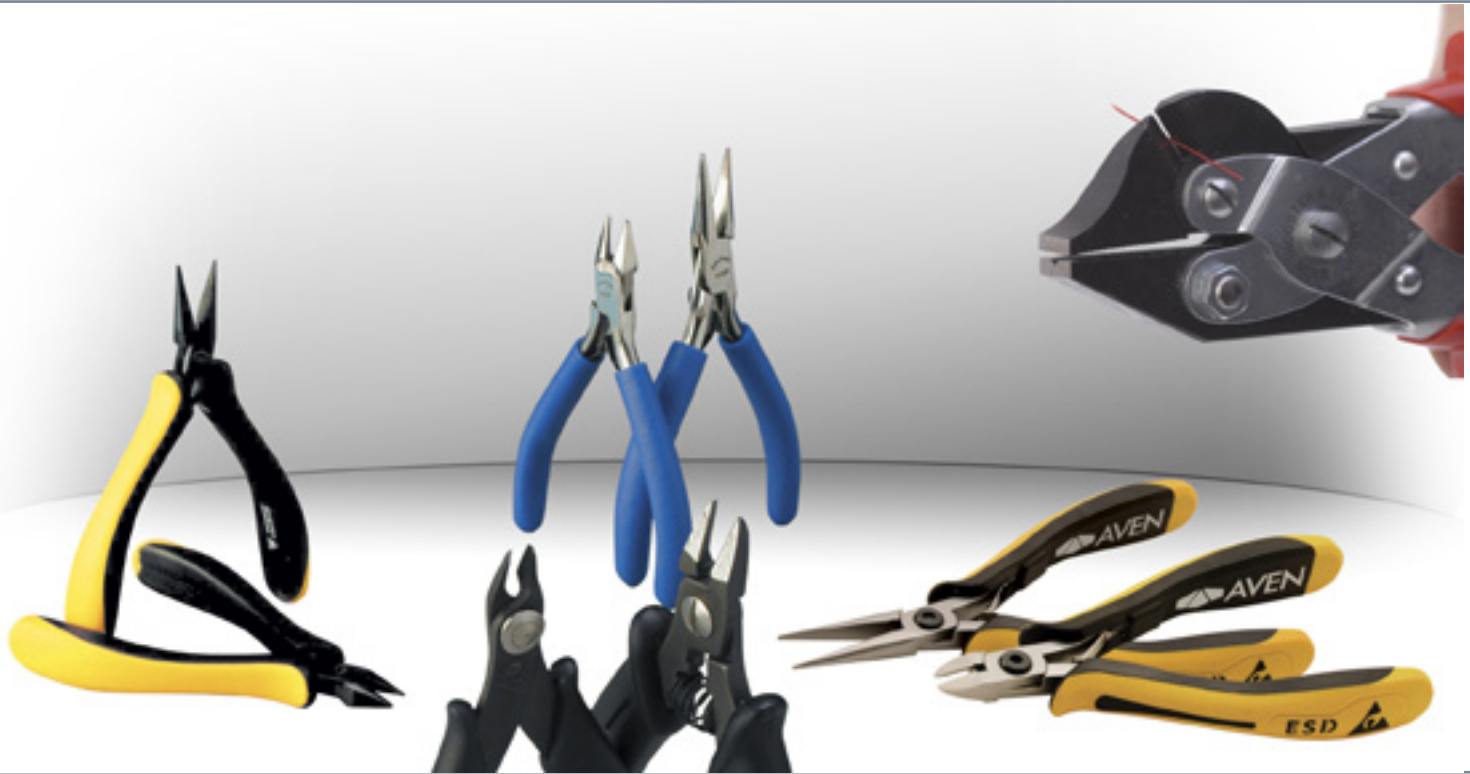
Part #	Description
20040	Stainless Steel Probe



Stainless Steel **Probe Set**

These probes are made from stainless steel. They are scalpel-shaped for fine probing. Useful for cold solder probing, hand inspection, micro positioning lead adjusting, etc.

Part #	Description
20210	Stainless Steel Probe 4-piece Set



Pliers & Cutters

Accu-Cut Premium Series

- Professional grade pliers... finest pliers you will ever buy
- Bearing ring lap joint design insures superior performance
- ESD Safe Ergonomic Grips for superior comfort
- Polished hand crafted finish, entirely free of burrs
- Slightly rounded inner jaw edges and induction hardened tips

Ergo Stainless Steel Series

- Scientifically designed handles to provide exceptional comfort
- Manufactured from Stainless Steel, will not rust
- Non Reflective Black Finish
- Dual Leaf Springs
- Induction Hardened Cutting Edges

Stainless Steel Series

- Mirror Polished Stainless Steel
- ESD Safe Grips
- Box Joint Construction
- Dual Leaf Springs For Comfortable Action
- Induction Hardened Cutting Edges
- Large Selection

Parallel Action Pliers

The unique compound joint design allows the jaws to open and close parallel to one another. This makes them ideal for holding and gripping components and manipulating wire. Comes with anti-rust finish with bright nickel sealed handles and smooth fully heat-treated black jaws for durability.

Specialty Pliers

These patented pliers are designed especially for damaged screws that are impossible to remove. The patented jaws will hold even the most difficult screw heads securely. When your regular screwdriver cannot do the job Neji-Saurs pliers is the answer for removing damaged screws. Just Grip and turn to remove any screw. Made in Japan.

Niptec Cutters

- Light weight cutter with ergonomically designed grips provides excellent operator comfort
- Hardened cutting blades for consistent cutting performance
- Smooth cutting action with less force, due to the specially designed return spring.
- Our 5000 Series Cutters are manufactured with 5mm thick cutting blades. Recommended for applications requiring highly durable and long lasting cutters.
- Economical



Accu-Cut Pliers & Cutters

Choosing the correct cutter for your application

Accu-Cut Cutters are offered in carbon steel, stainless steel and carbon steel with Tungsten Alloy Cutting Edges.

Our **Carbon Steel** cutters feature cutting blades with a hardness of C63-65. These cutters are recommended for application where durability is critical.

Our **Carbon Steel Cutters with Tungsten Alloy** Inserts are recommended for cutting Fine Hard Wire.

Benefits of Using Accu-Cut Pliers & Cutters

CUTTING PERFORMANCE... Lowest Cost per Cut

- Often hundreds of thousands of cuts are possible before edges become dull
- Cutting access in small or confined areas
- Cutting fine wire or leads equal to or thinner than the width of a human hair
- Cutting fine hard wire (stainless steel or tungsten) without nicking cutter edges
- Cutting exceptionally flush

VALUE

- Low price for high performance and high quality
- Expert application advice

QUALITY

- Reliability and consistency of operation
- Designed for the cutting task
- Blade sharpness and hardness
- Smoothness of operation
- Balance and feel
- Workmanship and appearance
- Ruggedness

COMFORT

- Ergonomically designed ESD Safe Grips for exceptional comfort
- Dual leaf springs for ease of use
- Smooth operation
- Tip Protectors
- Angled cutting edges

Head Shape



Oval

Oval Head Cutters are strong, versatile and long-lasting, this most popular shape can be used for many applications. Designed to be durable through hundreds of thousands of cuts. Options: regular and large style; with short or long handles; with relief head or standard.



Tapered

Tapered Head Cutters provide a more compact design for increased operator access, a wide cutting range and long tool life. The Tapered Relief head features tapering on both sides and head relief for maximum access into difficult areas. Cutting range and tool life may be slightly reduced.



Angulated

Hi-Performance Tip Cutters have a very long jaw that extends the cutting edges far out from the joint. These cutters are very often used for cutting exceptionally fine, delicate wire or leads such as on circuit boards.

Cutting Edges



Semi-Flush

Cutting edges have a slight bevel, which produces cuts with a small pinch on the tip of the cut wire. Longest cutting life.



Flush

Cutting edges have a minimum bevel, which produces cuts with a very small pinch



Razor Flush®

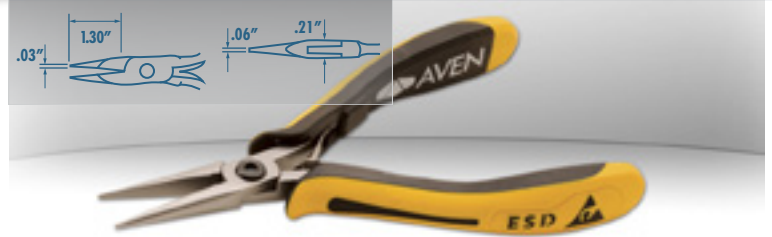
Cutting edges have no bevel, which produces cuts with no pinch on the tip of the cut wire. Reduced cutting life.



Chain Nose Pliers - Standard Jaws

Features very fine tips, "eased" edges of the inner jaw to reduce the risk of damage to the workpiece during forming, and a long jaw for extended gripping power.
Tip Dimensions: 1.2mm (W) x 1.4mm (H) (.050" x .060")

Part #	Description	Jaw Type	Jaw Length
10841	Chain Nose Pliers	Smooth	33mm (1.30")



Chain Nose Pliers - Standard Jaws

Features very fine tips, "eased" edges of the inner jaw to reduce the risk of damage to the workpiece during forming, and a long jaw for extended gripping power.
Tip Dimensions: 1.2mm (W) x 1.4mm (H) (.050" x .060")

Part #	Description	Jaw Type	Jaw Length
10842	Chain Nose Pliers	Serrated	33mm (1.30")

Accu-Cut Pliers



Chain Nose Pliers - Short Jaws

Same features as the standard jaw pliers but with a shorter jaw length.
Tip Dimensions: 1.2mm (W) x 1.4mm (H) (.050" x .060")

Part #	Description	Jaw Type	Jaw Length
10843	Chain Nose Pliers - Short	Smooth	19mm (0.75")



Needle Nose Pliers

Feature exceptionally fine tips. The outer surface of the jaw is rounded to the shape of smooth half cones. The design increases tool access and allows forming of round loops.
Tip Dimensions: 1.0mm (W) x 1.2mm (H) (.040" x .050")

Part #	Description	Jaw Type	Jaw Length
10845	Needle Nose Pliers	Smooth	31.7mm (1.25")



Round Nose Pliers

The long jaws makes it possible to form a wide range of loop diameters.
Tip Diameter: 0.7mm (.030")

Part #	Description	Jaw Type	Jaw Length
10846	Round Nose Pliers	Smooth	31.7mm (1.25")



Flat Nose Pliers

Feature a long jaw and very thin tips. All inner edges are "eased" to reduce the risk of workpiece damage. Flat nose pliers have tips that are 3.5mm (.140") wide.

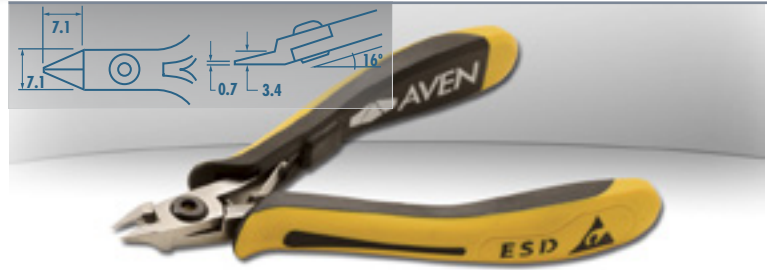
Part #	Description	Jaw Type	Jaw Length
10847	Flat Nose Pliers	Smooth	31.7mm (1.25")



Mini Oval Head Cutter

W-Series | Tip Size (LxW): 6.1 x 7.1mm

Part #	Description	Cutting Edge	Cutting Cap.*
10827FW	Mini Oval Head Cutter	Flush	.08 to 0.25mm



Mini Tapered Cutter - Relief Head

W-Series | Tip Size (LxW): 7.1 x 7.1mm

Part #	Description	Cutting Edge	Cutting Cap.*
10828FW	Mini Tapered Cutters - Relief Head	Flush	.08 to 0.25mm

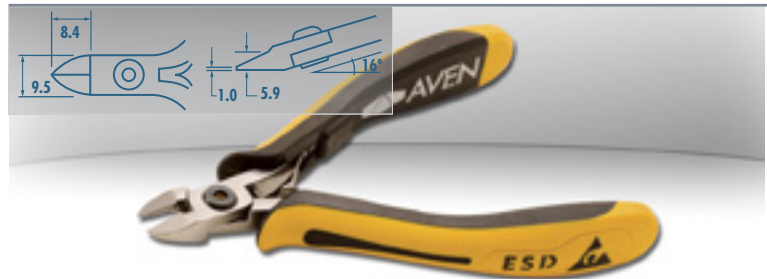
Accu-Cut Hard Wire Cutters

W-Series Cutters

W-Series cutters are made entirely from a solid alloy of tungsten, cobalt, chromium and vanadium to have cutting edges that are very sharp and hard. The cutting edges are hardened by a special heat-treating process to a hardness exceeding 67 on the Rockwell C scale. The hardness of the edges extends to a significant case depth. The razor-sharp edges cut hard wire in stainless steel, nickel, Nitinol (nickel and titanium), and tungsten as fine as 0.025mm (0.001"). Generally, the maximum wire diameter is 0.20mm (0.008").

T-Series Cutters

T-Series cutters are made from precision machined cutter blanks in which solid tungsten carbide material has been silver brazed in the cutter jaw. Diamond grinding then forms the head shape and sharpens the cutting edges. This tool design, with its dual material construction, combines the high yield strength of carbon steel with the intense localized hardness of tungsten carbide. Cutting edges have a hardness of 79 to 81 HRC. T Series cutters can cut thicker hard wire than W Series solid tungsten/cobalt alloy steel cutters. Jaws of T-Series cutters are tougher than those of solid tungsten/cobalt alloy steel. The oval head T-series cutters will cut Tungsten wire up to 0.020" diameter.



Oval Head Cutter

T-Series | Tip Size (LxW): 8.4mm x 9.5mm

Part #	Description	Cutting Edge	Cutting Cap.*
10821FT	Oval Head Cutter	Flush	.20 to 0.65mm
10821ST	Oval Head Cutter	Semi-Flush	.20 to 0.65mm



Tapered Head Cutter

T-Series | Tip Size (LxW): 8.4mm x 9.5mm

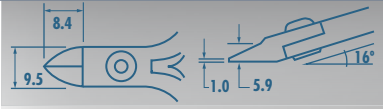
Part #	Description	Cutting Edge	Cutting Cap.*
10825FT	Tapered Head Cutter	Flush	.20 to 0.51mm



50° Head Cutter

T-Series | Tip Size (LxW): 10.7mm x 9.2mm

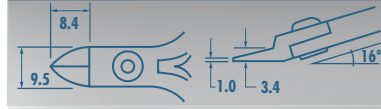
Part #	Description	Cutting Edge	Cutting Cap.*
10834FT	50° Head Cutter	Flush	.13 to 0.51mm



Oval Head Cutter

Strong, versatile and long lasting, this popular shape can be used for many applications.

Part #	Description	Cutting Edge	Cutting Cap.*
10821R	Oval Head Cutter	Razor Flush®	.10 to 1.00mm



Oval Relief Head Cutter

Same features as the oval head cutter but the relief provides extra accessibility.

Part #	Description	Cutting Edge	Cutting Cap.*
10822F	Oval Relief Head Cutter	Flush	.15 to 1.10mm
10822R	Oval Relief Head Cutter	Razor Flush®	.10 to 0.90mm
10822S	Oval Relief Head Cutter	Semi-Flush	.20 to 1.15mm

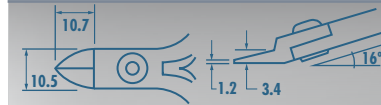
Accu-Cut Carbon Steel Cutters



Large Oval Head Cutter

Popular for wire and cable, extra rugged, 25% larger than the standard oval cutters.

Part #	Description	Cutting Edge	Cutting Cap.*
10823R	Large Oval Head Cutter	Razor Flush®	.10 to 1.15mm

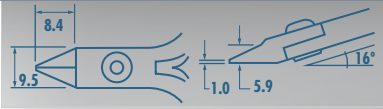


Large Oval Relief Head Cutter

Same features as the large oval head cutter but the relief provides extra accessibility.

Part #	Description	Cutting Edge	Cutting Cap.*
10824F	L. Oval Relief Head Cutter	Flush	.15 to 1.20mm
10824R	L. Oval Relief Head Cutter	Razor Flush®	.10 to 1.15mm
10824S	L. Oval Relief Head Cutter	Semi-Flush	.20 to 1.40mm

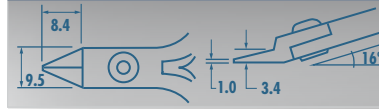
*Cutting Capacity: Diameter of Soft Copper wire



Tapered Head Cutter

A more compact design pointed head for increased access, yet covers a wide range.

Part #	Description	Cutting Edge	Cutting Cap. *
10825F	Tapered Head Cutter	Flush	.15 to 1.15mm
10825R	Tapered Head Cutter	Razor Flush®	.10 to 1.00mm
10825S	Tapered Head Cutter	Semi-Flush	.20 to 1.10mm

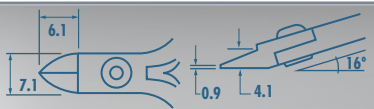


Tapered Relief Head Cutter

Same features as the tapered head cutter but with a lower profile for better access.

Part #	Description	Cutting Edge	Cutting Cap. *
10826F	Tapered Relief Head Cutter	Flush	.15 to 1.00mm
10826R	Tapered Relief Head Cutter	Razor Flush®	.10 to 0.90mm
10826S	Tapered Relief Head Cutter	Semi-Flush	.20 to 1.10mm

Accu-Cut Carbon Steel Cutters



Mini Oval Head Cutter

SMT Cutter, 30% smaller head than standard oval cutters.

Part #	Description	Cutting Edge	Cutting Cap. *
10827F	Mini Oval Head Cutter	Flush	.10 to 1.00mm
10827R	Mini Oval Head Cutter	Razor Flush®	.10 to 0.80mm
10827S	Mini Oval Head Cutter	Semi-Flush	.20 to 1.10mm



Mini Tapered Relief Head Cutter

Miniature taper relief cutters are used only for exceptionally fine cutting work. Usually access to the cutting area is difficult, requiring the very low profile of this cutter with full relief.

Part #	Description	Cutting Edge	Cutting Cap. *
10828F	Mini Tapered Relief Cutter	Flush	.10 to 1.00mm
10828R	Mini Tapered Relief Cutter	Razor Flush®	.10 to 0.80mm
10828S	Mini Tapered Relief Cutter	Semi-Flush	.20 to 1.10mm

*Cutting Capacity: Diameter of Soft Copper wire



Extra Large Oval Head Cutter

Large Oval Head Cutter with semi-flush cutting edges.

Part #	Description	Cutting Edge	Cutting Cap.*
108295	XL Oval Head Cutter	Semi-Flush	0.4 to 1.9mm



Tip High Relief Cutter

Tip cutter with a deep relief for an exceptional low profile. Short sturdy jaw. Razor Flush™ cutting edges.

Part #	Description	Cutting Edge	Cutting Cap.*
10830R	Tip High Relief Cutter	Razor Flush®	.10 to 0.65mm

Accu-Cut Carbon Steel Cutters



Small Tip Cutter

Most popular tip cutter. Jaw is twice as long as standard cutters. Razor Flush™ cutting edges.

Part #	Description	Cutting Edge	Cutting Cap.*
10831R	Small Tip Cutter	Razor Flush®	.10 to 0.65mm



Subminiature Tip Cutter

SMT Cutter extraordinarily small, fine cutting edges and fine tip. Often used under a microscope. Removes individual leads from fine pitch components. Razor Flush™ cutting edges.

Part #	Description	Cutting Edge	Cutting Cap.*
10832R	Subminiature Tip Cutter	Razor Flush®	.05 to 0.40mm



Angulated Mini or Small 50° Cutter

Mini cutter with a very small cutting head. Used for exceptionally fine cutting. Relieved for maximum accessibility. The small cutter, 30% smaller head than standard oval cutters.

Part #	Description	Cutting Edge	Cutting Cap.*
10833F	Angulated Mini 50° Cutter	Flush	.10 to 0.65mm
10834F	Angulated Small 50° Cutter	Flush	.10 to 0.65mm

*Cutting Capacity: Diameter of Soft Copper wire



Angulated Large 50° Cutter

Largest cutting head. Robust, excellent in cutting several leads in a single cut. Relieved for enhanced visibility. Razor Flush™ cutting edges.

Part #	Description	Cutting Edge	Cutting Cap.*
10835F	Angulated Large 50° Cutter	Razor Flush®	.10 to 0.65mm



Stealth **Cutters**

Strong, versatile and long-lasting

CUTTING PERFORMANCE... Lowest Cost per Cut

- Hundreds of thousands of cuts are possible before edges become dull
- Cutting fine wire or leads equal to or thinner than the width of a human hair
- Carbon steel construction - hardness of C63-65 (Rockwell Scale)
- Individually hand-tested hardened blades

COMFORT

- Ergonomically designed ESD Safe Grips for exceptional comfort
- Dual leaf springs for ease of use

Cutting Edges



Semi-Flush

Cutting edges have a slight bevel, which produces cuts with a small pinch on the tip of the cut wire. Longest cutting life.



Flush

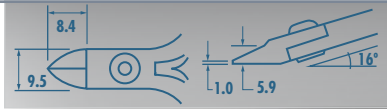
Cutting edges have a minimum bevel, which produces cuts with a very small pinch.

Head Shape



Oval

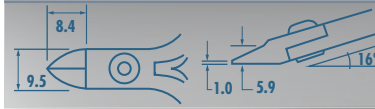
The most popular shape can be used for many applications. Designed to be durable. Options: regular and large oval head; with semi-flush or flush cutting.



Oval Head **Cutters** Flush

Strong, versatile and long lasting, this popular shape can be used for many applications.

Part #	Description	Cutting Edge	Cutting Cap. *
10921F	Oval Head Cutter	Flush	0.15 to 1.15mm



Oval Head **Cutters** Semi-Flush

Strong, versatile and long lasting, this popular shape can be used for many applications.

Part #	Description	Cutting Edge	Cutting Cap. *
10921S	Oval Head Cutter	Semi-Flush	0.2 to 1.20mm

Stealth **Carbon Steel Cutters**



Large Oval Head **Cutters** Flush

Popular for wire and cable, extra rugged, 25% larger then the standard oval cutters.

Part #	Description	Cutting Edge	Cutting Cap. *
10922F	L. Oval Head Cutter	Flush	0.15 to 1.20mm



Large Oval Head **Cutters** Semi-Flush

Popular for wire and cable, extra rugged, 25% larger then the standard oval cutters.

Part #	Description	Cutting Edge	Cutting Cap. *
10922S	L. Oval Head Cutter	Semi-Flush	0.2 to 1.50mm

*Cutting Capacity: Diameter of Soft Copper wire



Ergo Stainless Steel **Pliers & Cutters**

- Scientifically designed handles to provide exceptional comfort
- Manufactured from Stainless Steel, will not rust
- Non Reflective Black Finish
- Dual Leaf Springs
- Induction Hardened Cutting Edges



4.5" Chain Nose Pliers

Ideal for forming, bending and precision assembly work.

Part #	Description	Jaw Type	Jaw Length
10301-ER	4.5" Chain Nose Pliers	Smooth	0.93in
10307-ER	4.5" Chain Nose Pliers	Serrated	0.93in



5" Chain Nose Pliers

Ideal for forming, bending and precision assembly work.

Part #	Description	Jaw Type	Jaw Length
10302-ER	5" Chain Nose Pliers	Smooth	1.05in
10308-ER	5" Chain Nose Pliers	Serrated	1.05in

Ergo Stainless Steel Pliers



Extra Long Chain Nose Pliers

Excellent for hard to reach areas.

Part #	Description	Jaw Type	Jaw Length
103115-ER	XL Chain Nose Pliers	Serrated	1.42in



Needle Nose Pliers

Ideal for work in tight places where space and accessibility are limited.

Part #	Description	Jaw Type	Jaw Length
10314-ER	Needle Nose Pliers	Serrated	1.93in



Oval Head **Cutter**

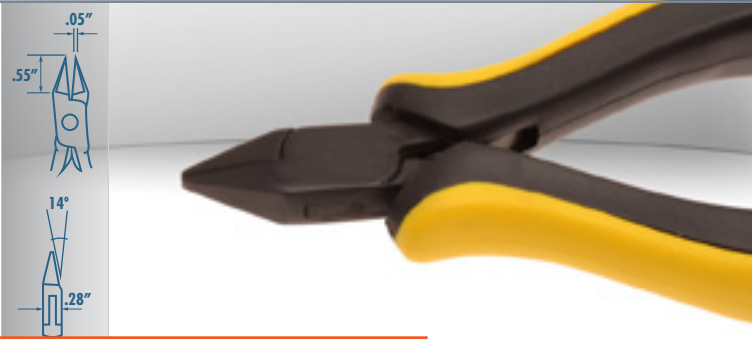
Part #	Description	Cutting Edge	Cutting Cap. *
10321-ER	Oval Head Cutter	Semi-Flush	22 AWG
10323-ER	Oval Head Cutter	Flush	24 AWG



Large Oval Head **Cutter**

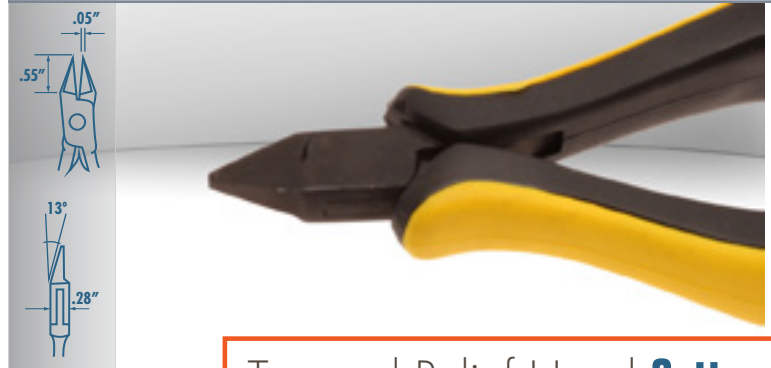
Part #	Description	Cutting Edge	Cutting Cap. *
10322-ER	Large Oval Head Cutter	Semi-Flush	20 AWG

Ergo Stainless Steel **Cutters**



Tapered Head **Cutter**

Part #	Description	Cutting Edge	Cutting Cap. *
10325-ER	Tapered Head Cutter	Semi-Flush	22 AWG
10326-ER	Tapered Head Cutter	Flush	24 AWG



Tapered Relief Head **Cutter**

Part #	Description	Cutting Edge	Cutting Cap. *
10329-ER	Tapered Relief Cutter	Flush	24 AWG



Small Tip **Cutter**

Part #	Description	Cutting Edge	Cutting Cap. *
10330-ER	Small Tip Cutter	Flush	24 AWG



Mini Tapered Head **Cutter**

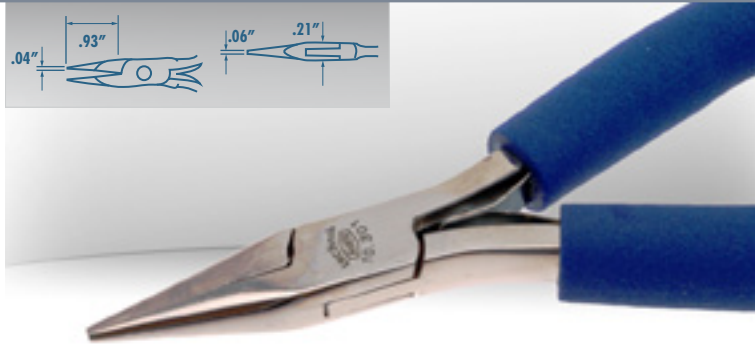
Part #	Description	Cutting Edge	Cutting Cap. *
10331-ER	Mini Tapered Head Cutter	Flush	24 AWG

*Cutting Capacity: Diameter of Soft Copper wire



Technik Stainless Steel **Pliers & Cutters**

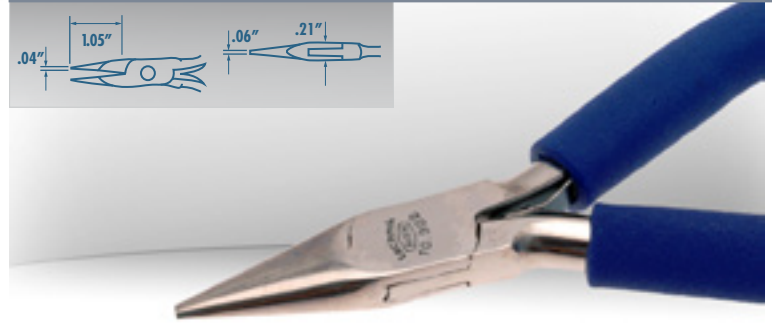
- Mirror Polished Stainless Steel
- ESD Safe Grips
- Box Joint Construction
- Dual Leaf Springs For Comfortable Action
- Induction Hardened Cutting Edges
- Large Selection



4.5" Chain Nose Pliers

Ideal for forming, bending and precision assembly work.

Part #	Description	Jaw Type	Jaw Length
10301	4.5" Chain Nose Pliers	Smooth	0.93in
10307	4.5" Chain Nose Pliers	Serrated	0.93in



5" Chain Nose Pliers

Popular pliers for forming, bending and precision assembly work.

Part #	Description	Jaw Type	Jaw Length
10302	5" Chain Nose Pliers	Smooth	1.05in
10308	5" Chain Nose Pliers	Serrated	1.05in

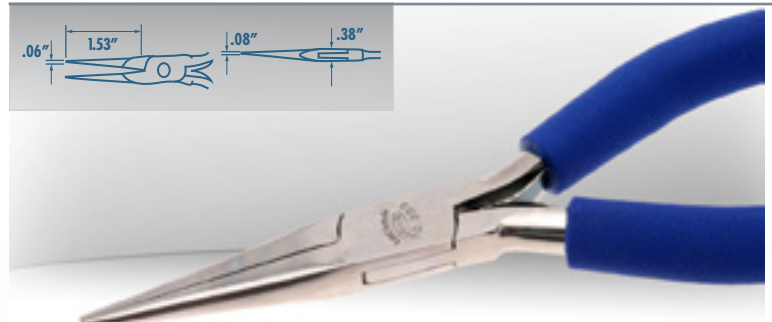
Technik Stainless Steel Pliers



5" Extra Long Chain Nose Pliers

For forming, bending and precision assembly work. Excellent for difficult to reach areas.

Part #	Description	Jaw Type	Jaw Length
10311	XL Chain Nose Pliers	Smooth	1.42in
10311S	XL Chain Nose Pliers	Serrated	1.42in



6" Chain Nose Pliers

For forming, bending and component handling.

Part #	Description	Jaw Type	Jaw Length
10333	6" Chain Nose Pliers	Serrated	1.53in



4.5" Flat Nose Pliers

For bending and component handling.

Part #	Description	Jaw Type	Jaw Length
10303	4.5" Flat Nose Pliers	Smooth	0.94in



5" Flat Nose Pliers

For bending and component handling.

Part #	Description	Jaw Type	Jaw Length
10304	5" Flat Nose Pliers	Smooth	1.18in

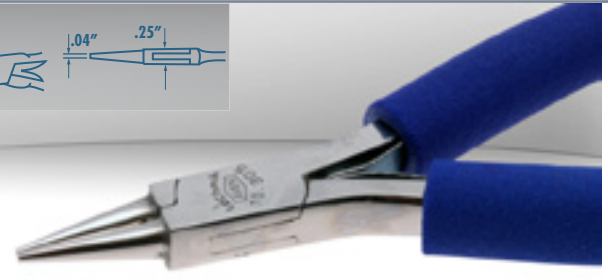
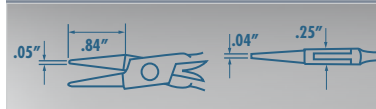
Technik Stainless Steel Pliers



6" Flat Nose Pliers

For bending and component handling.

Part #	Description	Jaw Type	Jaw Length
10335	6" Flat Nose Pliers	Smooth	1.66in



4.5" Round Nose Pliers

For forming or coiling fine wire.

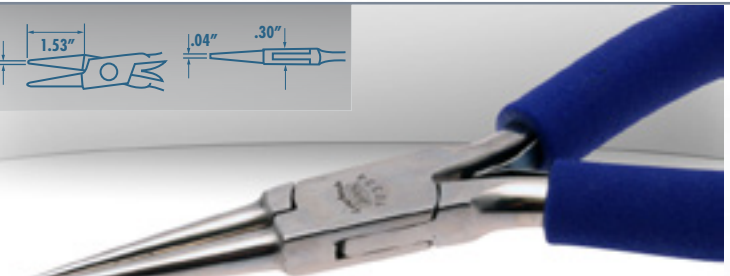
Part #	Description	Jaw Type	Jaw Length
10305	4.5" Round Nose Pliers	Smooth	0.84in



5" Round Nose Pliers

For forming or coiling fine wire.

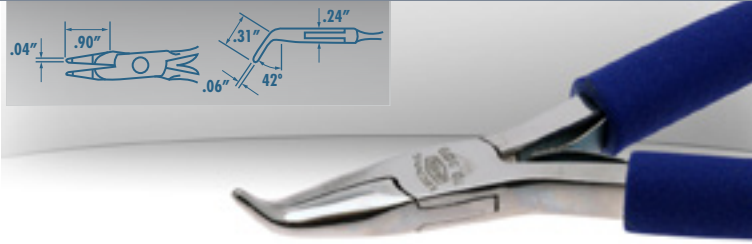
Part #	Description	Jaw Type	Jaw Length
10306	5" Round Nose Pliers	Smooth	1.18in



6" Round Nose Pliers

For forming or coiling fine wire.

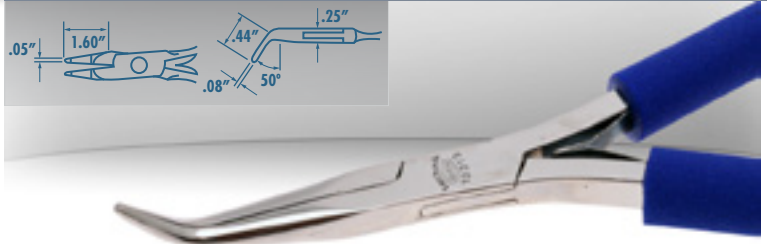
Part #	Description	Jaw Type	Jaw Length
10334	6" Flat Nose Pliers	Smooth	1.53in



4.5" Bent Nose Pliers

For working in confined areas.

Part #	Description	Jaw Type	Jaw Length
10309	4.5" Flat Nose Pliers	Smooth	0.90in
10310	4.5" Flat Nose Pliers	Serrated	0.90in

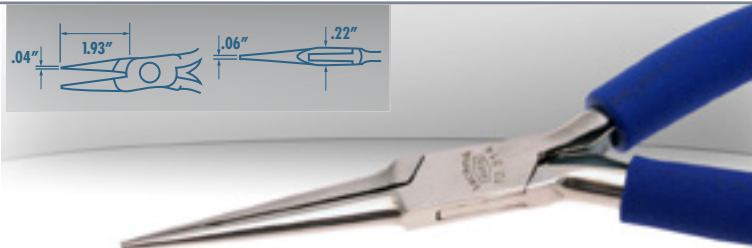


6" Bent Nose Pliers

For working in confined areas.

Part #	Description	Jaw Type	Jaw Length
10313	6" Bent Nose Pliers	Smooth	1.60in

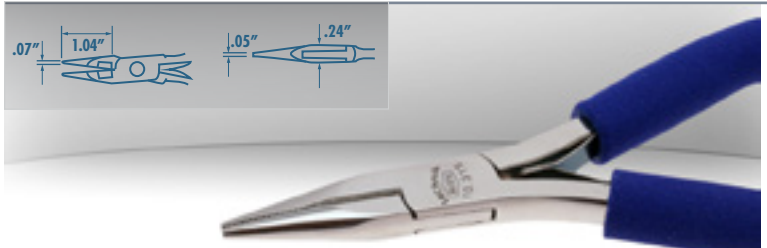
Technik Stainless Steel Pliers



5.75" Needle Nose Pliers

Designed for light work where space and accessibility are limited.

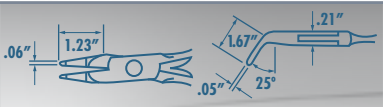
Part #	Description	Jaw Type	Jaw Length
10314	5.75" Needle Nose Pliers	Serrated	1.93in



4.75" Long Nose Pliers w/Cutters

General purpose pliers with built in cutting blades.

Part #	Description	Jaw Type	Jaw Length
10315	4.75" Long Nose Pliers w/cutters	Serrated	1.04in

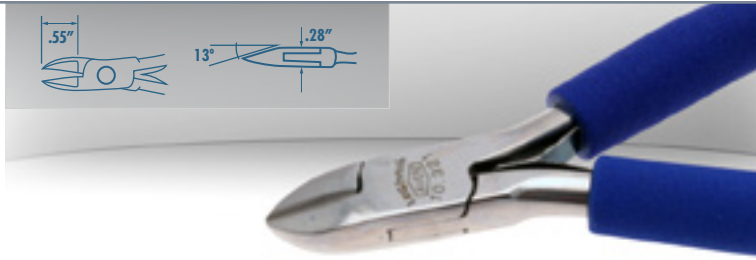


6" Curved Needle Nose Pliers

- Designed for working in out of the way, confined areas.
- Thin bent nose with tapered jaws.

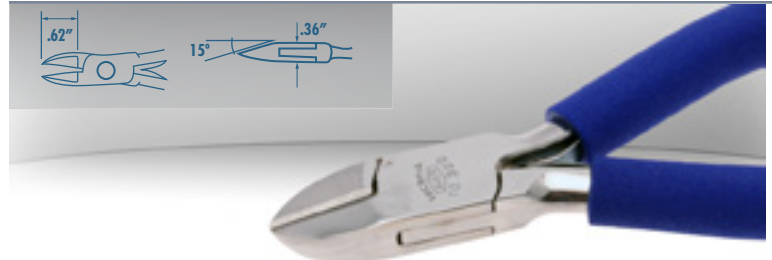


Part #	Description	Jaw Type	Jaw Length
10953	6" Curved Needle Nose Pliers	Serrated	1.23in



4.5" Oval Head **Cutter**

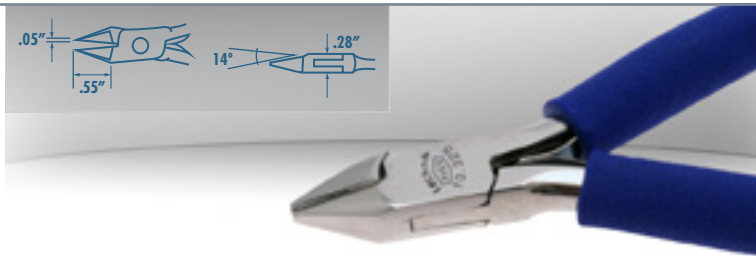
Part #	Description	Cutting Edge	Cutting Cap. *
10321	4.5" Oval Head Cutter	Semi-Flush	22 AWG
10323	4.5" Oval Head Cutter	Flush	24 AWG



5" Oval Head **Cutter**

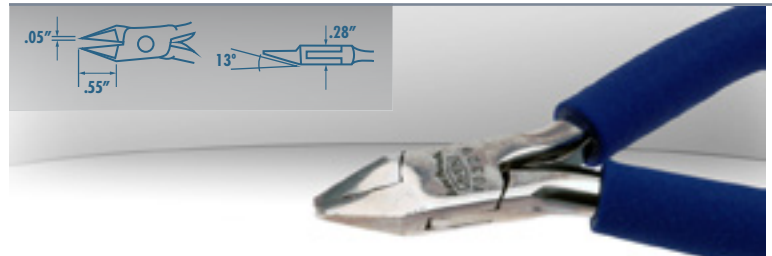
Part #	Description	Cutting Edge	Cutting Cap. *
10322	5" Oval Head Cutter	Semi-Flush	20 AWG
10324	5" Oval Head Cutter	Flush	22 AWG

Technik Stainless Steel **Cutters**



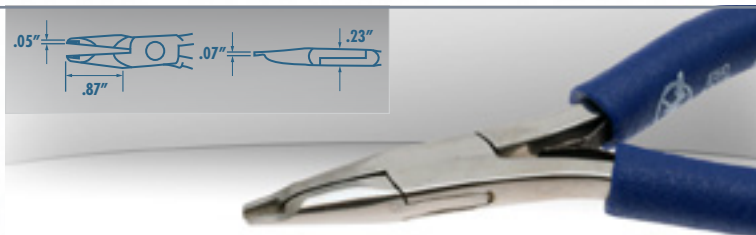
4.5" Tapered Head **Cutter**

Part #	Description	Cutting Edge	Cutting Cap. *
10325	4.5" Tapered Head Cutter	Semi-Flush	22 AWG
10326	4.5" Tapered Head Cutter	Flush	24 AWG



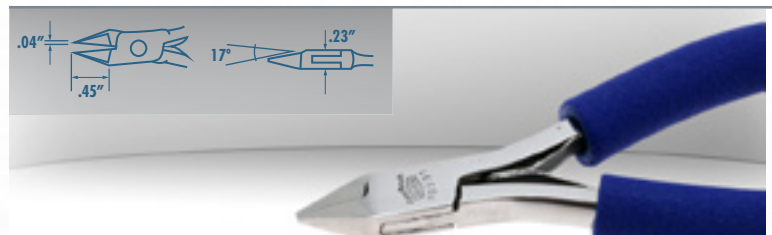
4.5" Tapered Relief Head **Cutter**

Part #	Description	Cutting Edge	Cutting Cap. *
10329	4.5" Tapered Relief Cutter	Flush	24 AWG



4.5" Tip **Cutter**

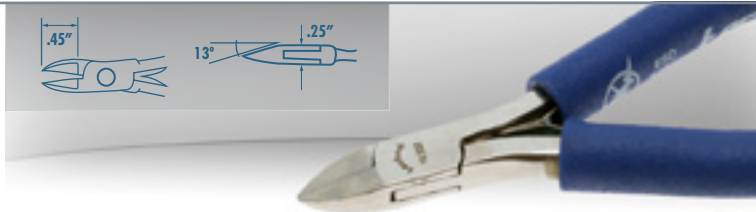
Part #	Description	Cutting Edge	Cutting Cap. *
10330	4.5 Tip Cutter	Flush	24 AWG



4.375" Mini Tapered Head **Cutter**

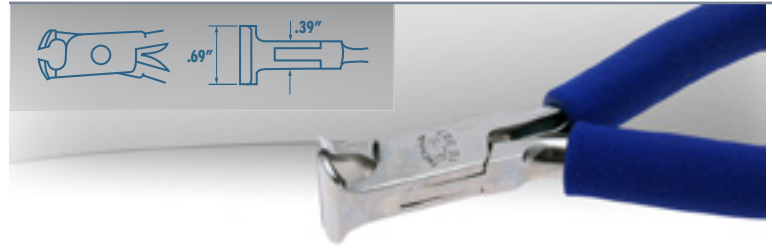
Part #	Description	Cutting Edge	Cutting Cap. *
10331	4.375" Mini Tapered Cutter	Flush	24 AWG

*Cutting Capacity: Diameter of Soft Copper wire



4.375" Mini Oval Head Cutter

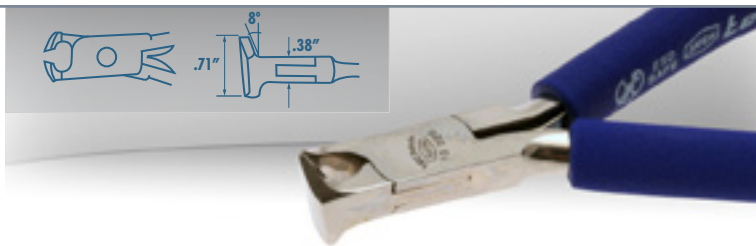
Part #	Description	Cutting Edge	Cutting Cap. *
10332	4.375" Mini Oval Cutter	Flush	24 AWG



4.5" End Cutter

Part #	Description	Cutting Edge	Cutting Cap. *
10327	4.5" End Cutter	Semi-Flush	22 AWG

Technik Stainless Steel Cutters & Sets



4.5" Oblique Head Cutter

Part #	Description	Cutting Edge	Cutting Cap. *
10328	4.5" Oblique Head Cutter	Semi-Flush	22 AWG



6-Piece Standard Pliers Set

6-piece Pliers Set consisting of our most popular pliers in a handy leatherette pouch.
Includes Technik: 4-1/2" Chain Nose Pliers | 4-1/2" Flat Nose | 5-3/4" Needle Nose
 4-3/4" Long Nose with Cutter | 4 1/2" Standard Oval Head Cutter | 4 1/2" End Cutter

Part #	Description
10600A	6-Piece Standard Pliers Set

*Cutting Capacity: Diameter of Soft Copper wire



Niptec Cutters

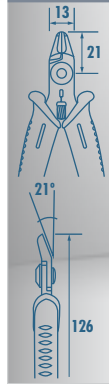
- Light weight cutter with ergonomically designed grips provides excellent operator comfort
- Hardened cutting blades for consistent cutting performance
- Smooth cutting action with less force, due to the specially designed return spring.
- Our 5000 Series Cutters are manufactured with 5mm thick cutting blades.
Recommended for applications requiring highly durable and long lasting cutters.
- Economical



TR 5000 Cutter

- Long lasting cutting blades, 5mm thick
- Semi-flush cutting blades
- ESD Safe Grips

Part #	Description	Cutting Edge	Cutting Cap.*
10501	TR 5000 Cutter	Semi-Flush	12 AWG

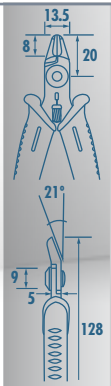


TR 5000PG Cutter

- Pointed long lasting cutting blades, allowing access into tight places. 5mm thick
- Flush Cutting edges are rounded and well finished
- ESD Grips

Part #	Description	Cutting Edge	Cutting Cap.*
10503	TR 5000PG Cutter	Flush	16 AWG

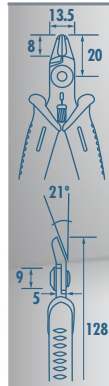
Niptec Cutters



TR 25 Cutter

TR 25 1000-Series is a very popular tool. Light weight and easy to handle with narrow cutting head for access into dense areas. Produces a clean flush cut. ESD safe handles.

Part #	Description	Cutting Edge	Cutting Cap.*
10521	TR 25 Cutter	Flush	18 AWG



TR 25-E Cutter

TR 25-E 1000-Series is our most popular and economical cutter. Has a narrow cutting head for greater access into dense areas. Produces a clean flush cut. Tool handles have regular blue non-slip grips.

Part #	Description	Cutting Edge	Cutting Cap.*
10521EC	TR 25-E Cutter	Flush	16 AWG

*Cutting Capacity: Diameter of Soft Copper wire



TR 20 50M Cutter

TR 20 50M- 1000-Series. Has the same features as our TR 20 M but the cutting angle is 48° instead of 21°. Ideal for reaching into difficult places. Has ESD safe handles.

Part #	Description	Cutting Edge	Cutting Cap.*
10525	TR 20 50M Cutter	Flush	22 AWG

Niptec Cutters



TR 20 TM Cutter

TR 20 TM 1000-Series. Specially designed for cutting integrated circuit pins. The very small size of the cutting blades angled at 45° enables closely placed pins to be cut. Produces a flush cut. Has ESD safe handles.

Part #	Description	Cutting Edge	Cutting Cap.*
10526	TR 20 TM Cutter	Flush	22 AWG



TR 20M Cutter

TR 20M 1000-Series. Small head design allows access into tight places. Produces a clean flush cut. ESD safe handles.

Part #	Description	Cutting Edge	Cutting Cap.*
10527B	TR 20M Cutter	Flush	20 AWG

*Cutting Capacity: Diameter of Soft Copper wire



Parallel Action **Pliers**

The unique compound joint design allows the jaws to open and close parallel to one another. This makes them ideal for holding and gripping components and manipulating wire. Comes with anti-rust finish with bright nickel sealed handles and smooth fully heat-treated black jaws for durability.

When to Choose Parallel Action Pliers

Parallel Action Pliers are the right choice when you need to hold an object still while applying pressure on it. Non-parallel pliers let an object slip forward when pressure is applied. The configuration of Parallel Action Pliers holds the object firmly even when the job calls for firm pressure.



6.5" Flat Nose Pliers

Serrated Jaws with V-Slot | Maximum Jaw Opening: 14mm (0.4")
Overall Length: 160mm (6-1/2") | Jaw Length: 35mm (1.37") | Jaw Width: 9mm (0.35")

Part #	Description	Jaw Type	Jaw Length
10752	6.5" Flat Nose Pliers	Serrated	1.37in

Parallel Action Pliers



5" Snipe Nose Pliers

Smooth Jaws | Maximum Opening: 10mm (0.4") | Overall Length: 130mm (5")
Jaw Length: 25mm (1")

Part #	Description	Jaw Type	Jaw Length
10753	5" Snipe Nose Pliers	Smooth	1.00in



8" Flat Nose Pliers

Serrated Jaws with V-Slot | Maximum Jaw Opening: 17mm (0.7")
Overall Length: 200mm (8") | Jaw Length: 41 mm (1.6") | Jaw Width: 12.5mm (0.5")

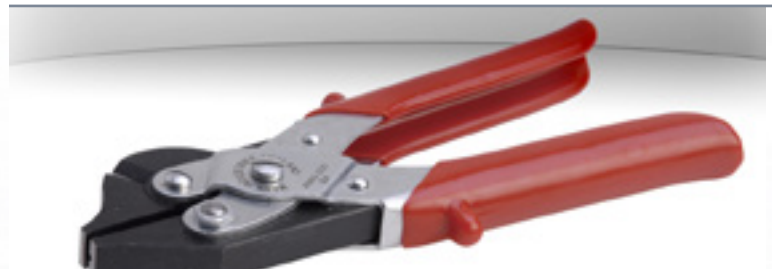
Part #	Description	Jaw Type	Jaw Length
10756	8" Flat Nose Pliers	Serrated	1.60in



5" Flat Nose Pliers w/Wire Cutter

Serrated Jaws with V-slot | Maximum Jaw Opening: 10mm (0.4")
Soft Wire Cutting Capacity: 2.5mm (0.1") | Overall Length: 125mm (5")
Jaw Length: 35mm (1.37") | Jaw Width: 6.4mm (0.25")

Part #	Description	Jaw Type	Jaw Length
10761	5" Flat Nose Pliers w/Wire Cutters	Serrated	1.37in



8" Flat Nose Pliers w/Wire Cutter

Serrated Jaws with V-Slot | Maximum Jaw Opening: 17mm (0.7")
Soft Wire Cutting Capacity: 6mm (0.24") | Overall Length: 203mm (8")
Jaw Length: 41mm (1.6") | Jaw Width: 12.5mm (1.4")

Part #	Description	Jaw Type	Jaw Length
10764	8" Flat Nose Pliers w/Wire Cutters	Serrated	1.60in



Neji-Saurs Specialty Pliers

These patented pliers are designed especially for damaged screws that are impossible to remove. The patented jaws will hold even the most difficult screw heads securely. When your regular screwdriver cannot do the job Neji-Saurs pliers is the answer for removing damaged screws. Just Grip and turn to remove any screw. Made in Japan.

- Specially designed jaws to provide the gripping power to hold any screw firmly.
- Patented cutting angle of the vertical serrations maximizes the friction of the jaws against the screw head.
- Hardened Steel (HRC-56) for long life and durability.
- Removes rusted, stuck, and non-standard screws.
- Neji-Saurs Pliers are available in three sizes.



Neji-Saurs **Pliers**

Designed to quickly remove rusty screws M1.6 to M4. Length 150mm

Part #	Description
10955	Neji-Saurs Pliers

Specialty **Pliers & Cutters**



Neji-Saurs **Pliers**

Designed to remove rusty screws M1.7 to M6 without much effort. Length 170mm

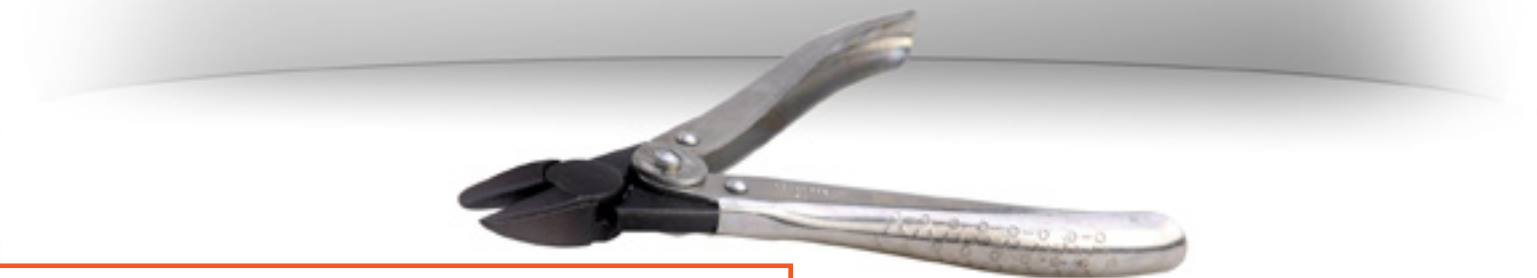
Part #	Description
10956	Neji-Saurs Pliers



Neji-Saurs **Pliers**

Designed to remove rusty screws M1 to M2. Length 120mm

Part #	Description
10957	Neji-Saurs Pliers



6.5" Compound Action Diagonal **Cutter**

Jaw Type: Semi-Flush Cutting Capacity: 2mm Piano Wire

Part #	Description
10754	6 .5" Compound Action Diagonal Cutter



Precision **Knives and Blades**

Aven precision knives and blades designed for maximum performance.

These precision instruments are used by:

- Professionals in Electronics and Related Industries
- Hobbyists
- Graphic Artists
- DIY
- and much more

We offer a large selection of blades, scalpels and knives as well as popular sets.

Aven precision knives and blades are manufactured in the USA.



K-18 Precision Knife

5" Comfortable soft grip handle with 4 jaw machined aluminum chuck for secure blade positioning. Includes a super sharp #11 blade, convenient rear blade release and a clear plastic safety cap. Used for cutting or trimming plastic, wood, paper, cloth and film.

Part #	Description
44011	Technik K-18 Grip-On Non-Roll Soft Handle Knife



K-1 Light Duty Knife

4-3/4" aluminum handles with 4-slot point chuck for easy blade release. Includes a super sharp #11 blade and a high impact safety cap. Used for precision cutting, forming and stripping of paper, plastic, wood, cloth and film.

Part #	Description
44012	Technik K-1 Precision Light Duty Knife

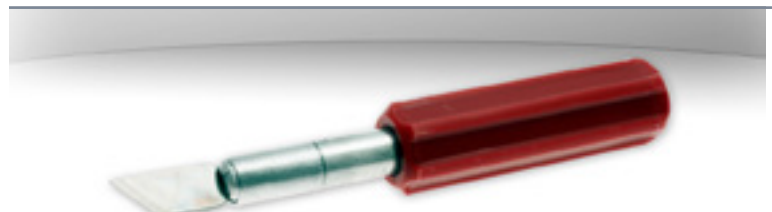
Technik Precision Knives



K-2 Medium Duty Knife

4-3/4" aluminum handle with 4-slot point chuck for easy blade release. Includes a super sharp #22 blade and a high impact safety cap. Used for precision cutting, trimming and stripping paper, plastic, wood, cloth and film.

Part #	Description
44013	Technik K-2 Medium Duty Knife



K-5 Heavy Duty Knife

7/16" aluminum adapter, 4 jaw machined aluminum chuck for secure blade positioning and a snug fitting plastic safety cap. Included is a sharp edge angled blade (#19). Used for precision cutting, trimming, stripping paper, plastic and wood.

Part #	Description
44014	Technik K-5 Heavy Duty Knife



K-8 Light Duty Knife

You can adjust the length of the blade by releasing the nut. Both ends of the blade can be used for cutting boxes, wood, leather and foam.

Part #	Description
44015	Technik K-8 Flat Handle Light Duty Knife
44257	K-8 Replacement Blade (5/pk)



K-10 Heavy Duty Snap Blade Knife

Comes with 13-point blade. For home, office, industrial use cutting paper, plastic, wood and other items.

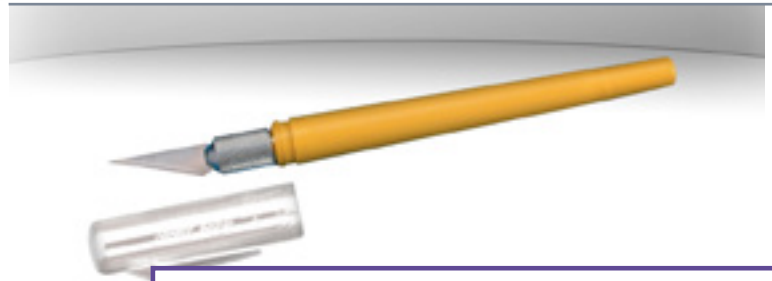
Part #	Description
44016	Technik K-10 Plastic Snap Blade Knife
44256	K-10 Replacement Blade (100/pk)



K-13 Heavy Duty Snap Blade Knife

Comes with 7 point snap blade used for cutting and trimming.

Part #	Description
44017	Technik K-13 Heavy Duty Snap Blade Knife
44254	K-13 Replacement Blade (100/pk)



K-40 Knife w/Pocket Clip Cap

This unique multi-purpose precision knife is outstanding for cutting and trimming of paper, plastic, cloth, film and rubber and includes the following features: Unique twist lock pocket-clip safety cap, Machined aluminum 4 jaw chuck for tight secure blade housing, Comfortable ridged tapered plastic handle, Super sharp #11 blade.

Part #	Description
44018	Technik K-40 Pocket Clip Light Duty Utility Knife

Technik Precision Knives & Scalpels



#30 Scalpel Blade Handle

Use the #30 plastic handle for #10, 11, 12 and 15 Scalpel Blades

Part #	Description
44030	#30 Scalpel Blade Handle



#31 Scalpel Blade Handle

Use the #31 stainless steel metal handles for scalpel blades #10, 11, 12 and 15

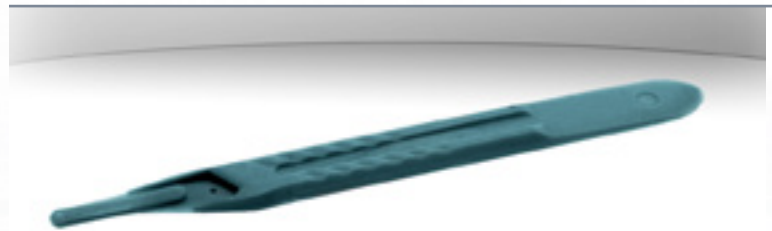
Part #	Description
44031	#31 Scalpel Blade Handle



#32 Scalpel Blade Handle

Use #32 Stainless Steel handle for scalpel blade #23

Part #	Description
44032	#32 Scalpel Blade Handle



#33 Scalpel Blade Handle

Use the #33 Plastic Handle for Scalpel Blade #23

Part #	Description
44033	#33 Scalpel Blade Handle



Technik **Knife Set**

Contains K1, K2, K5 knife handles with 13 assorted blades in a plastic tray that includes a Teflon covered magnetic strip to help in holding the blades securely.

Part #	Description
44101	Technik Knife Set


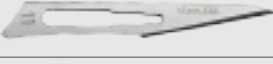
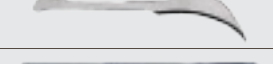
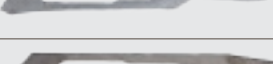

Technik Precision **Knives & Scalpels**



Technik **Deluxe Knife Set**

Contains the same items as our Knife Set #44101 however, is supplied in a wooden box.

Part #	Description
44102	Technik Deluxe Knife Set

	Description	Part #	
	#10 Scalpel Blade High precision knives are designed for intricate detailed work	44041 / 2 Pack Tube	
	#11 Scalpel Blade High precision knives are designed for intricate detailed work	44042 / 2 Pack Tube	
	#12 Scalpel Blade High precision knives are designed for intricate detailed work	44043 / 2 Pack Tube	
	#15 Scalpel Blade High precision knives are designed for intricate detailed work	44044 / 2 Pack Tube	
	#23 Scalpel Blade High precision knives are designed for intricate detailed work	44045 / 2 Pack Tube	

Technik Precision Replacement Blades

	Description	Part #	
	No. 2 Blade Fits Handles K-2 and K-5 Sharp angle for precision cutting of medium to heavyweight materials	44201 / 5 Pack Tube	44202 / 100 Pack
	No. 10 Blade Fits Handles K-1,K-18 and K-40 For general cutting, light carving and slicing	44203 / 5 Pack Tube	44204 / 100 Pack
	No. 11 Blade Fits Handles K-1,K-18 and K-40 Sharp angle for delicate, precision cutting, trimming and stripping	44205 / 5 Pack Tube	44206 / 100 Pack
	No. 11 Stainless Steel Blade Fits Handles K-1,K-18 and K-40 Resists corrosion; will not rust	44205S / 5 Pack Tube	44206S / 100 Pack
	No. 16 Blade Fits Handles K-1,K-18 and K-40 For stencilling, etching and scoring; also used on printed circuit boards	44211 / 5 Pack Tube	44212 / 100 Pack
	No. 17 Blade Fits Handles K-1,K-18 and K-40 For precision wood chiseling with 1/4" cutting surface	44213 / 5 Pack Tube	44214 / 100 Pack
	No. 18 Blade Fits Handles K-1,K-18 and K-40 For deep cross and smooth chiseling of wood with 1/2" cutting surface	44215 / 5 Pack Tube	44216 / 100 Pack
	No. 19 Blade Fits Handles K-2 and K-5 For light chiseling, rough shaping, deburring and trimming	44217 / 5 Pack Tube	44218 / 100 Pack
	No. 22 Blade Fits Handles K-2 and K-5 For long, heavy pressure cuts and general initial shaping in wood working, whittling, carving, trimming and slicing	44221 / 5 Pack Tube	44222 / 100 Pack
	No. 23 Blade Fits Handles K-2 and K-5 For corner cuts, stripping and trimming in confined areas	44223 / 5 Pack Tube	44224 / 100 Pack
	No. 24 Blade Fits Handles K-2 and K-5 For cutting wood, plastic, leather and gaskets	44225 / 5 Pack Tube	44226 / 100 Pack
	No. 25 Blade Fits Handles K-2 and K-5 For general purpose heavy-pressure cutting, whittling, carving and trimming	44227 / 5 Pack Tube	44228 / 100 Pack
	No. 26 Blade Fits Handles K-2 and K-5 For general purpose whittling and trimming with 2-15/16" cutting edge	44229 / 5 Pack Tube	
	No. 27 Blade Fits Handles K-2 and K-5 For general purpose cutting of lightweight & medium woods; 3" length for deeper cut	44230 / 5 Pack Tube	
	No. 28 Blade Fits Handles K-2 and K-5 For whittling, leather and linoleum work	44231 / 5 Pack Tube	



Stainless Steel & Ceramic **Scissors**

Our scissors are designed for industrial applications. Blades are precision ground and hand sharpened and tested performance and durability. We offer scissors made from stainless steel and ceramic. Our ceramic scissors have blades made from an advanced ceramic material which will never rust, pit or corrode, making ideal for moisture-prone environments.

Our combination scissors feature a unique 2 in 1 cutting blade designed for trimming and cutting difficult materials such as nylon fiber.



5" Electrician **Scissors**

Heavy-duty general-purpose scissor with two notches for 19 AWG and 23 AWG wire. Scraper and file on back edge of blade. Blade Length: 2"

Part #	Description	Size	Blade Length
11012	5" Electrician Scissor	5in	2in



4-1/2" Slim Blade **Straight Scissor**

Most popular precision scissor for cutting fine wire and for general use. Blade Length: 1-1/4"

Part #	Description	Size	Blade Length
11014	4-1/2" Slim Blade Straight Scissor	4.5in	1.25in

Stainless Steel **Scissors**



4-1/2" Precision **Scissors**

Fine beaks for small places and delicate work. Blade Length: 1-3/8"

Part #	Description	Size	Blade Length
11016	4-1/2" Precision Scissor	4.5"	1.375"



7" All Purpose **Standard Scissors**

The most common scissor for a variety of applications. Available in 2 popular sizes.

Part #	Description	Size	Blade Length
11022	7" All Purpose Standard Scissor	7"	3.25"



8" All Purpose **Standard Scissors**

The most common scissor for a variety of applications.

Part #	Description	Size	Blade Length
11023	8" All Purpose Standard Scissor	8in	3.75in

Stainless Steel & Ceramic **Scissors**



5-1/2" Ceramic **Scissors**

The Ceramic Advantage. The long lasting sharpness of these scissors is achieved by the hardness, straightness, and precise alignment of the advanced ceramic blades. These durable, non corrosive blades are extremely suitable for moisture-prone environments. The non-conductive features also provides safety in electrical-related cutting tasks. Lightweight and easy to use, these precision scissors are ideal where safety is critical and superior edge retention is required. Handles made from die cast aluminium.

Part #	Description	Size
11801	5-1/2" Ceramic Scissor	5.5in



5" Ceramic **Scissors**

The Ceramic Advantage. The long lasting sharpness of these scissors is achieved by the hardness, straightness, and precise alignment of the advanced ceramic blades. The ceramic blades are inserted into the plastic body of the scissors. Scissors are lightweight and ideal where safety and superior edge retention is required.

Part #	Description	Size
11802	5" Ceramic Scissor	5in



2-in-1 Combination Scissors

This scissors has a unique 2 in 1 blade and can trim and cut materials that would not be possible with a normal scissor.

Features:

- Easily trim materials such as nylon fiber, cabtire cord, Kevlar etc.
- Gives you a fine flush cut
- Notched blades prevent the material to be trimmed from slipping
- U-types notches on the blade allows you to hold items such as copper wire, cabtire or insulated cords etc. firmly in place
- Soft grip for added comfort
- Stainless Steel with blade hardness of HRC 54

2-IN-1 COMBINATION SCISSORS	
LENGTH	6.5in 170mm
NOTCHED BLADE CUTTING CAPACITY	Aluminum Sheet Max. 0.5mm Copper Sheet Max. 0.5mm PET Max. 1.0mm Plastic Plate Max. 1.0mm
U-TYPE BLADE CUTTING CAPACITY	Copper Wire Max dia. 1.5mm
Part #	Description
11080	2-in-1 Combination Scissor

Combination Scissors



2-in-1 Heavy-Duty Combination Scissors

Our heavy duty combination scissors are similar to our standard 2 in 1 scissors except they feature 3mm thick blades and larger handles with durable elastomeric grips for comfort. This scissor is designed to cut difficult materials that you cannot cut with standard scissors. It features a notched blade and a U-Type blade made from stainless steel with hardness of HRC 56-60. Overall length: 205mm. Blade length: 58mm. Scissors are supplied with a protective blade cap.

Part #	Description
11081	2-in-1 Heavy-Duty Combination Scissor

2-IN-1 HEAVY-DUTY COMBINATION SCISSORS	
LENGTH	205mm
BLADE LENGTH	58mm
NOTCHED BLADE CUTTING CAPACITY	Aluminum Plate Max. 0.5mm Copper Braided Wire Various Types Leather/Cork Max. 5mm Nylon Kevlar Fiber Various Types PP/Polycarbonate Max. 1mm
U-TYPE BLADE CUTTING CAPACITY	Aluminum Wire Max dia. 2mm Coaxial cable 5C (Conductor 11mm) Cotton Insulated cord Various types PVC Cabtire Cord 2mm Rope Max dia. 10mm



Soldering/Desoldering **Tools**

Equip your bench with tools to help you make your soldering and desoldering tasks easier and more productive: We offer:

- Solder Pots
- Solder Wick
- Desoldering Pumps
- Smoke Absorbers
- Static Eliminator
- Portable Gas Soldering Irons
- Soldering Stations and Irons
- Soldering Aids
- Heat Guns



70W Portable Soldering Iron

Features:

- 30 to 70 Watt power range
- Cordless. Simple and Safe Operation
- Ready to use in 20 seconds after Ignition
- Adjustable tip temperature from 400°C to 1300°C (750°F to 2500°F)
- Supplied with 1mm Conical Tip

Part #	Description
17801	Portable Soldering Iron 30-70W



Part #	Description
17801-T01	T-01 1mm Conical Tip
17801-T02	T-02 2mm Chisel Tip
17801-S05	S-05 Hot Knife Tip
17801-S06	S-06 Blow Torch Tip
17801-S07	S-07 Heat Blower Tip
17801-S30	S-30 Deflector Tip

Soldering/Desoldering Tools



125W Portable Soldering Iron

Features:

- Equivalent to a 120 Watt Soldering Iron & 2500°F blow torch
- Portable with see thru fuel tank
- Approximately 4 hours of usage per filling
- Ready to use in 30 seconds after ignition
- 90 minute burn time per fill
- Supplied with 1.6mm conical tip and protective cap

Part #	Description
17802	Portable Soldering Iron 30-125W



Part #	Description
17802-PS1	PS-1 1.6mm Conical Tip
17802-PS2	PS-2 3.2mm Conical Tip
17802-PS3	PS-3 2.4mm Chisel Tip
17802-PS4	PS-4 3.2mm Chisel Tip
17802-PS5	PS-5 2.4mm Angle Tip
17802-PS6	PS-6 3.2mm Angle Tip
17802-PS9	PS-9 Hot Knife Tip
17802-PS10	PS-10 Heat Blower Tip



17701



17701F



Benchtop Smoke Absorber

Removes flux fumes from soldering work bench. Great for workspace using more active fluxes used with lead-free solder. Fumes are absorbed by the carbon activated filter (one set of filters included). Fan is quiet and will not add significant noise to your workspace. Stand allows the smoke absorber to be adjusted to varying angles. ESD safe.

Part #	Description
17701	Benchtop Smoke Absorber
17701F	Carbon Activated Filter 3pcs with PVC Bag

Soldering/Desoldering Tools



Static Eliminator

Our bench top air ionizing air blower provides optimum protection from the destructive effects of ESD. Variable speed fan produces an air volume from 35 to 70 CFM. Covers a 1' x 5' area. Self balancing to +/-5V. Measures 5.5"W x 8.625"H.

Part #	Description
17703	Static Eliminator

STATIC ELIMINATOR

VOLTAGE	110-120V
AIR VOLUME	35 to 70 CFM
COVERED AREA	1 x 5ft
SELF BALANCING VOLTAGE	±5V
DIMENSION (W X H)	5.5 x 8.625in



30W Portable Soldering Iron Kit

Includes:

- 1mm Conical Soldering Tip
- Torch Head for Pin Point Flame
- Hot Knife Attachment
- Hot Air Blower
- Tip Cleaning Sponge
- Coil of Silver/Tin Solder
- Packaged in a Heavy Duty Box

Part #	Description
17801-KIT	Portable Soldering Iron Kit 30W

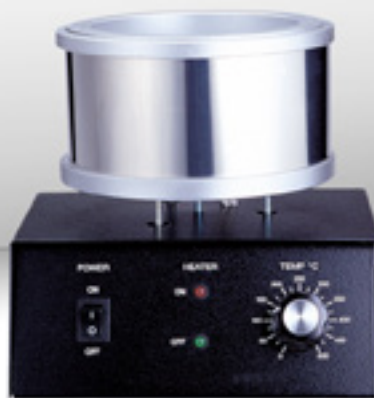


SolderMag™

The CP-50 SolderMag™ from the Carson Optical PRO Series is a Solder Station Magnifier. It is a 1.75x power hands free Magnifier with a 4.5x spot lens. It has a built-in soldering iron holder and solder spool dispenser. The SolderMag™ boasts 16 super bright LED's. Plug into a standard outlet using the included AC/DC adapter or 4 AA batteries (not included).

SOLDERMAG™	
MAGNIFICATION	1.75x / 4.5x spot lens
POWER SUPPLY	AC/DC Adapter or 4 AA batteries(not included)
LENS DIAMETER	Lens Size: 95mm (3.75")
Part #	Description
26300-CP-50	SolderMag™

Soldering/Desoldering Tools



600 Watt Soldering Pot

Powerful solder pot featuring a variable temperature control.

Part #	Description
17100-600	600 Watt Soldering Pot

600 WATT SOLDERING POT	
TEMPERATURE	0-500°C
TUB SIZE (L X W X H)	6.8in x 5.5in x 2.8in 172mm x 140mm x 71mm
INNER OUTER TUB DIAMETER	100mm 130mm
CRUCIBLE MATERIAL	Cast Iron
SOLDER CAPACITY	2.5 kg



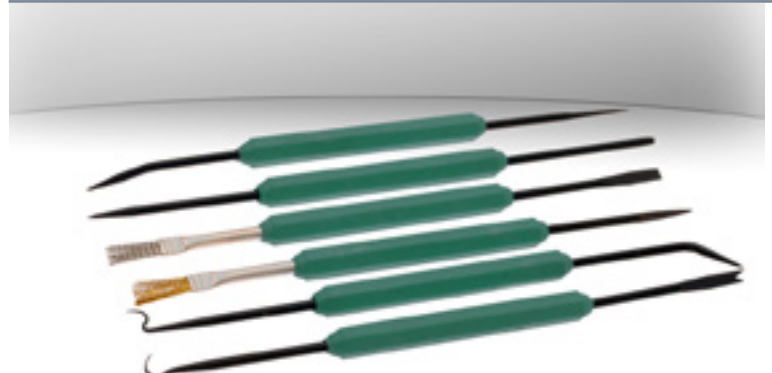
5-Piece Solder Aid Kit

This kit consists of a tweezer, a heat sink and 3 popular solder aids.

Includes:

- Tweezer | • Heat Sink | • 3 Popular Solder Aids

Part #	Description
17523	5-Piece Solder Aid Kit



6-Piece Solder Aid Kit

Six of the most popular soldering aids. Use the hook to remove components, the reamer to clean holes choked with solder, the knife for cutting away unnecessary circuits on PCB's, the scraper to remove the shielding from wires, rust and contamination to improve adhesion of solder, the brush to clean and the fork to bend and hold leads.

Includes:

- Hook | • Reamer | • Knife | • Scraper | • Brush | • Fork

Part #	Description
17524	6-Piece Solder Aid Kit

Soldering/Desoldering Tools



Soldering Iron Stand

Features:

- Holds 30 to 60 watt pencil grip iron up to diameter 1 1/8"
- Metal base
- Built in sponge tray
- Two per pack

Part #	Description
17531	Soldering Iron Stand



Soldering Stands

Features:

- Holds pencil type soldering irons
- Metal base
- Built in sponge tray
- Two per pack

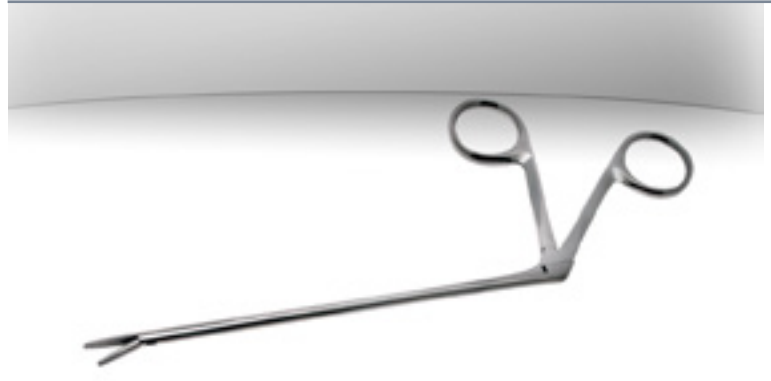
Part #	Description
17533	Soldering Stands



3.5" Alligator **Clamp**

A unique tool for retrieving and holding small parts. Allows you to reach into long narrow spaces. Stainless steel.

Part #	Description
12201	3.5" Alligator Clamp



5.5" Alligator **Clamp**

A unique tool for retrieving and holding small parts. Allows you to reach into long narrow spaces. Stainless steel.

Part #	Description
12202	5.5" Alligator Clamp

Soldering/Desoldering **Tools**



Third Hand **w/Tweezers**

Allows both hands free for soldering. Heavy base prevents movement and multi-position swivel clamps permit holding of piece at any angle spaces. Stainless steel.

Part #	Description
17012	Third Hand w/Tweezers



Solder Reel **Stand**

Features:

- Keep benches neat and draw our solder wire smoothly
- Holds up to 1kg (approximately 2lbs.) roll of solder wire
- Dimensions: 86mm (W) x 14mm (H) x 78mm (D) (3.4"x0.55"x3.1")
- Shaft diameter: 1.5mm (0.6")

Part #	Description
17560	Solder Reel Stand



13" Plastic **Desoldering Pump**

Rugged, manual loading tool for volume desoldering. High vacuum heavy-duty plastic, fully enclosed shaft for safety. Plunger locks for compact storage.

Part #	Description
17535	13" High Impact Plastic Desoldering Pump

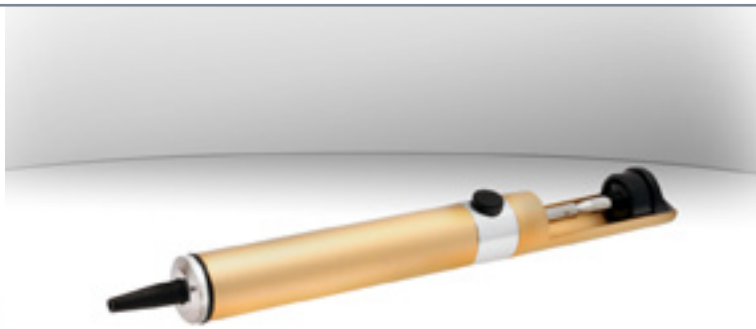


8.5" ESD Plastic **Desoldering Pump**

Sturdy tool for routine desoldering. Slim profile with a smooth action.

Part #	Description
17536	8.5" ESD Safe Plastic Desoldering Pump

Soldering/Desoldering **Tools**



8.5" Metal **Desoldering Pump**

Rugged, metal construction with an anti-static tip.

Part #	Description
17537	8.5" Metal Body Desoldering Pump



Desoldering **Wicks**

Features:

- High quality desoldering braid with unique no clean flux
- Pure oxygen free copper wire

Part #	Description
17540	0.06" Desoldering Wick
17541	0.08" Desoldering Wick
17542	0.10" Desoldering Wick



Industrial **Stainless Steel Tools**

- Our range of Industrial Tools are manufactured from 400 series stainless steel and highly polished. Tools without the plastic grips can be autoclaved for use in sterile environments.
- High Hardness is achieved using a multi-level hardening process
- Specifically engineered for use in sterile and critical environments. Using stainless steel hand tools in the maintenance and operation of process equipment can eliminate the risk factor of ferrous contamination.
- Ideal for critical applications in Pharmaceutical Processing, Biotech, Medical Device Manufacturing, Clean Rooms, Food Processing, Aerospace and Chemical Industries, Offshore and environmental engineering



8" Combination Pliers

Perfect for general maintenance. Pliers have serrated jaws with a wire cutter and a pipe grip and a fully polished body and handle.

8" COMBINATION PLIERS	
OVERALL LENGTH	8in
JAW LENGTH WIDTH	1.0in 25.3mm 0.4in 10mm
MATERIAL	400 Series Stainless Steel
Part #	Description
10351	8" Combination Pliers



8" Combination Pliers

Perfect for general maintenance. Pliers have serrated jaws with a wire cutter and a pipe grip and a fully polished body with plastic grips.

8" COMBINATION PLIERS W/PLASTIC HANDLES	
OVERALL LENGTH	8in
JAW LENGTH WIDTH	1.0in 25.3mm 0.4in 10mm
MATERIAL	400 Series Stainless Steel
Part #	Description
10351-P	8" Combination Pliers w/Plastic Handles

Industrial Stainless Steel Tools



6" Long Nose Pliers

Designed for handling parts and getting into tight areas. Pliers have serrated jaws with a wire cutter and a fully polished body and handle.

6" LONG NOSE PLIERS	
OVERALL LENGTH	6in
JAW LENGTH WIDTH	1.5in 38mm 0.118in 3mm
MATERIAL	400 Series Stainless Steel
Part #	Description
10360	6" Long Nose Pliers



6" Long Nose Pliers

Designed for handling parts and getting into tight areas. Pliers have serrated jaws with a wire cutter and comfort grip handles.

6" LONG NOSE PLIERS W/COMFORT GRIP HANDLES	
OVERALL LENGTH	8in
JAW LENGTH WIDTH	1.65in 42mm 0.118in 3mm
MATERIAL	400 Series Stainless Steel
Part #	Description
10360-ER	6" Long Nose Pliers w/Comfort Grip Handles



9.5" Groove Joint Pliers

Designed to provide you with a strong non-slip hold. Pliers have serrated jaws with 4 adjustable positions and a fully polished body and handle.

9 1/2" GROOVE JOINT PLIERS	
OVERALL LENGTH	9.5in
JAW LENGTH JAW OPENING	0.98in 25mm 1.18in 30mm
MATERIAL	400 Series Stainless Steel
Part #	Description
10365	9.5" Groove Joint Pliers



6.5" Slip Joint Pliers

All purpose pliers with built in wire cutter and fully polished body and handle.

6.5" SLIP JOINT PLIERS	
OVERALL LENGTH	6.5in
JAW LENGTH	0.78in 20mm
MATERIAL	400 Series Stainless Steel
Part #	Description
10370	6.5" Slip Joint Pliers

Industrial Stainless Steel Tools



6.5" Slip Joint Pliers

All purpose pliers with built in wire cutter and fully polished body with plastic grips.

6" LONG NOSE PLIERS W/PLASTIC HANDLES	
OVERALL LENGTH	6.5in
JAW LENGTH	0.78in 20mm
MATERIAL	400 Series Stainless Steel
Part #	Description
10370-P	6.5" Slip Joint Pliers w/Plastic Handles



7" Vise Grip Locking Pliers

Our stainless steel locking pliers have smooth rounded edges and recessed stainless steel rivets, making it ideal for use in sterile environments. The smooth gliding locking mechanism enables easy one handed opening and closing. Body and springs are made in 304 non-magnetic Stainless Steel and the jaws are made from 420-series Stainless Steel.

Part #	Description
10375	7" Vise Grip Locking Pliers



9" Vise Grip Locking Pliers

Pliers have straight jaws with trigger release handles. Turn the pressure adjusting screw in the handle to lock the jaws in a vice-like grip around your work piece. Pliers stay clamped on your work, leaving your hands free. Fully polished stainless steel.

9" VISE GRIP LOCKING PLIERS	
OVERALL LENGTH	9in
JAW LENGTH	1.37in 35mm
MATERIAL	400 Series Stainless Steel

Part #	Description
10376	9" Vise Grip Locking Pliers



6" Long Nose Vise Grip Pliers

Pliers have a long thin nose to get into tight spaces with a slot for holding and twisting wire. Pliers are fully polished.

6" LONG NOSE VISE GRIP LOCKING PLIERS	
OVERALL LENGTH	6in
JAW LENGTH SLOT LENGTH	1.65in 42mm 0.78in 20mm
MATERIAL	400 Series Stainless Steel

Part #	Description
10377	6" Long Nose Vise Grip Locking Pliers

Industrial Stainless Steel Tools



6.75" Flat Nose PA Pliers

These Flat Nose pliers have jaws that open and close in parallel action. Jaws are serrated with a slot down the middle for holding and twisting wire. Has a built in wire cutter.

6.75" FLAT NOSE PA PLIERS	
OVERALL LENGTH	6.5in
JAW LENGTH	0.78in 20mm
MATERIAL	400 Series Stainless Steel

Part #	Description
10766	6.75" Flat Nose PA Pliers



7" High Leverage Diagonal Cutter

Designed to provide extra cutting power. The larger head and cutting blade will allow you to cut wires with ease. Not designed for hard wires.

7" HIGH LEVERAGE DIAGONAL CUTTER	
CUTTER HEAD LENGTH	.98in 25mm
BLADE LENGTH	20mm
MATERIAL	400 Series Stainless Steel

Part #	Description
10356	7" High Leverage Diagonal Cutter



6" Diagonal Cutter

Our diagonal cutters have beveled cutting edges and are hardened for long lasting performance. Cutters have an oval head design and a fully polished body and handle.

6" DIAGONAL CUTTER	
JAW LENGTH	0.78in 20mm
MATERIAL	400 Series Stainless Steel

Part #	Description
10355	6" Diagonal Cutter



6" Diagonal Cutter

Our diagonal cutters have beveled cutting edges and are hardened for long lasting performance. Cutters have an oval head design and a fully polished body with comfort grips.

6" DIAGONAL CUTTER W/COMFORT GRIP HANDLES	
JAW LENGTH	0.78in 20mm
MATERIAL	400 Series Stainless Steel

Part #	Description
10355-ER	6" Diagonal Cutter w/Comfort Grip Handles

Industrial Stainless Steel Tools



5-Piece Stainless Steel Pliers Set

Includes:

- 10365 - 9 1/2" Groove Joint Pliers
- 10351 - 8" Combination Pliers
- 10360 - 6" Long Nose Pliers
- 10370 - 6" Slip Joint Pliers
- 10355 - 6" Side Cutters
- The pliers come packaged in a leatherette roll up pouch.

Part #	Description
10381	5-Piece Stainless Steel Pliers Set



5/16" Combo Wrench

Corrosion resistant, Type 420 stainless steel wrenches can be autoclaved up to 250°F. The open end is angled 15° and the other end is a 12-point box end that is offset 15°.

5/16" COMBO WRENCH	
OVERALL LENGTH	5.125in
MATERIAL	400 Series Stainless Steel
Part #	Description
21187-0516	5/16" Combo Wrench

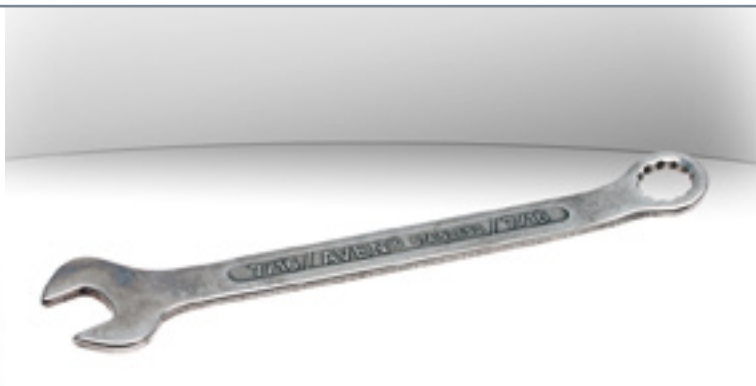


3/8" Combo Wrench

Corrosion resistant, Type 420 stainless steel wrenches can be autoclaved up to 250°F. The open end is angled 15° and the other end is a 12-point box end that is offset 15°.

3/8" COMBO WRENCH	
OVERALL LENGTH	5.6875in
MATERIAL	400 Series Stainless Steel
Part #	Description
21187-0308	3/8" Combo Wrench

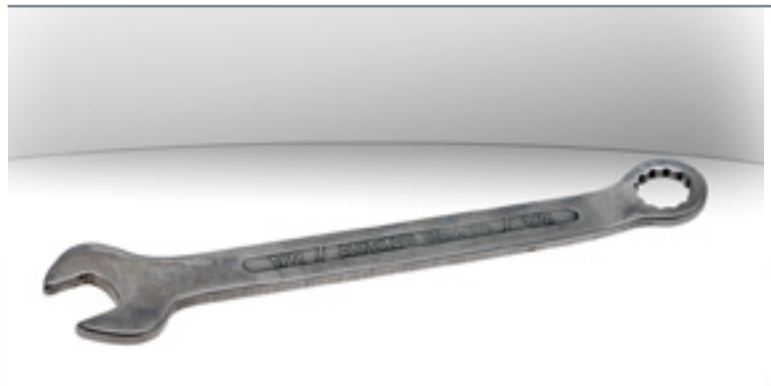
Industrial Stainless Steel Tools



7/16" Combo Wrench

Corrosion resistant, Type 420 stainless steel wrenches can be autoclaved up to 250°F. The open end is angled 15° and the other end is a 12-point box end that is offset 15°.

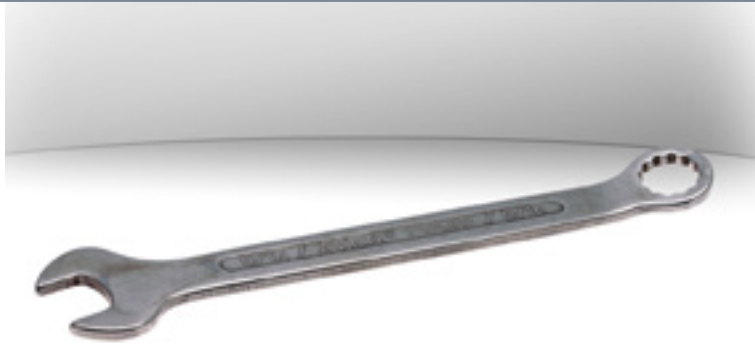
7/16" COMBO WRENCH	
OVERALL LENGTH	6.0625in
MATERIAL	400 Series Stainless Steel
Part #	Description
21187-0716	5/16" Combo Wrench



1/2" Combo Wrench

Corrosion resistant, Type 420 stainless steel wrenches can be autoclaved up to 250°F. The open end is angled 15° and the other end is a 12-point box end that is offset 15°.

1/2" COMBO WRENCH	
OVERALL LENGTH	6.875in
MATERIAL	400 Series Stainless Steel
Part #	Description
21187-0102	1/2" Combo Wrench



9/16" Combo Wrench

Corrosion resistant, Type 420 stainless steel wrenches can be autoclaved up to 250°F. The open end is angled 15° and the other end is a 12-point box end that is offset 15°.

9/16" COMBO WRENCH	
OVERALL LENGTH	7.3125in
MATERIAL	400 Series Stainless Steel
Part #	Description
21187-0916	9/16" Combo Wrench



5/8" Combo Wrench

Corrosion resistant, Type 420 stainless steel wrenches can be autoclaved up to 250°F. The open end is angled 15° and the other end is a 12-point box end that is offset 15°.

5/8" COMBO WRENCH	
OVERALL LENGTH	8.0625in
MATERIAL	400 Series Stainless Steel
Part #	Description
21187-0508	5/8" Combo Wrench

Industrial Stainless Steel Tools



6-Piece Stainless Steel Wrench Set

Includes:

- 21187-0102, 1/2" Combo Wrench
- 21187-0308, 3/8" Combo Wrench
- 21187-0508, 5/8" Combo Wrench
- 21187-0516, 5/16" Combo Wrench
- 21187-0716, 7/16" Combo Wrench
- 21187-0916, 9/16" Combo Wrench

Part #	Description
21187-105	6-Piece Stainless Steel Wrench Set



6" Adjustable Wrench

Corrosion resistant, 400 series stainless steel. Auto Locking Jaws—Apply pressure on the wrench and the knurls lock automatically to prevent the jaws from loosening and slipping off your workpiece.

6" ADJUSTABLE WRENCH	
OVERALL LENGTH JAW CAP.	6in 15/16in
MATERIAL	400 Series Stainless Steel

Part #	Description
21190-6	6" Adjustable Wrench



6" Adjustable Wrench w/PVC Grip

Corrosion resistant, 400 series stainless steel. Auto Locking Jaws—Apply pressure on the wrench and the knurls lock automatically to prevent the jaws from loosening and slipping off your workpiece. A cushion-grip handle provides comfort.

6" ADJUSTABLE WRENCH W/PVC GRIP	
OVERALL LENGTH JAW CAP.	6in 15/16in
MATERIAL	400 Series Stainless Steel

Part #	Description
21190-6G	6" Adjustable Wrench w/PVC Grip

Industrial Stainless Steel Tools



8" Adjustable Wrench

Corrosion resistant, 400 series stainless steel. Auto Locking Jaws—Apply pressure on the wrench and the knurls lock automatically to prevent the jaws from loosening and slipping off your workpiece.

8" ADJUSTABLE WRENCH	
OVERALL LENGTH JAW CAP.	8in 1 1/8in
MATERIAL	400 Series Stainless Steel

Part #	Description
21190-8	8" Adjustable Wrench



8" Adjustable Wrench w/PVC Grip

Corrosion resistant, 400 series stainless steel. Auto Locking Jaws—Apply pressure on the wrench and the knurls lock automatically to prevent the jaws from loosening and slipping off your workpiece. A cushion-grip handle provides comfort.

8" ADJUSTABLE WRENCH W/PVC GRIP	
OVERALL LENGTH JAW CAP.	8in 1 1/8in
MATERIAL	400 Series Stainless Steel

Part #	Description
21190-8G	8" Adjustable Wrench w/PVC Grip



10" Adjustable Wrench

Corrosion resistant, 400 series stainless steel. Auto Locking Jaws—Apply pressure on the wrench and the knurls lock automatically to prevent the jaws from loosening and slipping off your workpiece.

10" ADJUSTABLE WRENCH	
OVERALL LENGTH JAW CAP.	10in 1 5/16in
MATERIAL	400 Series Stainless Steel

Part #	Description
21190-10	10" Adjustable Wrench



10" Adjustable Wrench w/PVC Grip

Corrosion resistant, 400 series stainless steel. Auto Locking Jaws—Apply pressure on the wrench and the knurls lock automatically to prevent the jaws from loosening and slipping off your workpiece. A cushion-grip handle provides comfort.

10" ADJUSTABLE WRENCH W/PVC GRIP	
OVERALL LENGTH JAW CAP.	10in 1 5/16in
MATERIAL	400 Series Stainless Steel

Part #	Description
21190-10G	10" Adjustable Wrench w/PVC Grip

Industrial Stainless Steel Tools



12" Adjustable Wrench

Corrosion resistant, 400 series stainless steel. Auto Locking Jaws—Apply pressure on the wrench and the knurls lock automatically to prevent the jaws from loosening and slipping off your workpiece.

12" ADJUSTABLE WRENCH	
OVERALL LENGTH JAW CAP.	12in 1 1/2in
MATERIAL	400 Series Stainless Steel

Part #	Description
21190-12	12" Adjustable Wrench



12" Adjustable Wrench w/PVC Grip

Corrosion resistant, 400 series stainless steel. Auto Locking Jaws—Apply pressure on the wrench and the knurls lock automatically to prevent the jaws from loosening and slipping off your workpiece. A cushion-grip handle provides comfort.

12" ADJUSTABLE WRENCH W/PVC GRIP	
OVERALL LENGTH JAW CAP.	12in 1 1/2in
MATERIAL	400 Series Stainless Steel

Part #	Description
21190-12G	12" Adjustable Wrench w/PVC Grip



Precision Screwdrivers

Aven offers you a wide selection of precision screwdrivers.

They feature:

- Precision machined and hardened tips for the exact fit and durability
- Ergonomically molded handles for maximum user comfort
- Free spinning rotation caps for control and smooth turning

Popular sets are also available.



Precision Screwdriver | Slotted

Specifically designed for electronics.

Part #	Description	Tip Size	Length
13900	Precision Screwdriver - Slotted	1.0mm	50mm
13901	Precision Screwdriver - Slotted	1.6mm	50mm
13902	Precision Screwdriver - Slotted	2.0mm	50mm
13903	Precision Screwdriver - Slotted	2.4mm	50mm

Part #	Description	Tip Size	Length
13904	Precision Screwdriver - Slotted	3.0mm	50mm
13905	Precision Screwdriver - Slotted	2.4mm	75mm
13906	Precision Screwdriver - Slotted	3.0mm	100mm
13907	Precision Screwdriver - Slotted	4.0mm	150mm

Precision Screwdrivers



Precision Screwdriver | Phillips

Specifically designed for electronics.

Part #	Description	Tip Size	Length
13910	Precision Screwdriver - Phillips	No. 000	50mm
13911	Precision Screwdriver - Phillips	No. 00	50mm
13912	Precision Screwdriver - Phillips	No. 0	50mm
13913	Precision Screwdriver - Phillips	No. 1	50mm

Part #	Description	Tip Size	Length
13914	Precision Screwdriver - Phillips	No. 0	75mm
13915	Precision Screwdriver - Phillips	No. 1	100mm
13916	Precision Screwdriver - Phillips	No. 1	150mm



Precision Screwdriver | Torx & Tamper-Proof

Specifically designed for electronics. 13920 and 13921 only available in Torx.

Part #	Description	Tip Size	Length
13920	Precision Screwdriver - Torx	T5	50mm
13921	Precision Screwdriver - Torx	T6	50mm
13922	Precision Screwdriver - Torx & T-P	T7	50mm
13923	Precision Screwdriver - Torx & T-P	T8	50mm

Part #	Description	Tip Size	Length
13924	Precision Screwdriver - Torx & T-P	T9	50mm
13925	Precision Screwdriver - Slotted	T10	50mm
13926	Precision Screwdriver - Slotted	T15	50mm
13927	Precision Screwdriver - Slotted	T20	50mm

Precision Screwdrivers



Precision Nutdriver

Specifically designed for electronics.

Part #	Description	Tip Size	Length
13930	Precision Nutdriver	M3.0	50mm
13931	Precision Nutdriver	M3.5	50mm
13932	Precision Nutdriver	M4.0	50mm
13933	Precision Nutdriver	M4.5	50mm

Part #	Description	Tip Size	Length
13934	Precision Nutdriver	M5.0	50mm
13935	Precision Nutdriver	M5.5	50mm
13936	Precision Nutdriver	M6.0	50mm



20-Piece Precision Screwdriver Set

This useful set contains 19 assorted Slotted/Phillip/Star/Hex/Ball point/Blades. Special quick release design makes blade changes quick and easy.

Includes

Slotted: 2.0mm, 2.5mm, 3.0mm, 4.0mm | **Phillips:** No. 00, No. 0, PZ#00, PZ#0

Star: T6, T7, T8, T9, T10 | **Hex:** 1.5, 2.0, 2.5 mm

Nutdriver: 1.5, 2.0, 2.5 mm | **Handle**

Part #	Description
13714	20-Piece Precision Screwdriver Set



8-Piece Precision Screwdriver Set

Includes

Slotted: 2.0 x 75mm, 2.5 x 75mm, 3.0 x 75mm, 4.0 x 75mm

Phillips: No. 00 x 75mm, No. 0 x 7 mm, No. 1 x 75mm, No. 1.5 x 75mm

Part #	Description
13715	8-Piece Precision Screwdriver Set

Precision Screwdriver Sets



6-Piece Precision Nut Driver Set

Includes

Metric: 3.2 x 75mm, 4 x 75mm, 5 x 75mm, 5.5 x 75mm

Inch: 1/8 x 75mm, 3/16 x 75mm

Part #	Description
13716	6-Piece Precision Nut Driver Set



6-Piece Combo Set

Includes

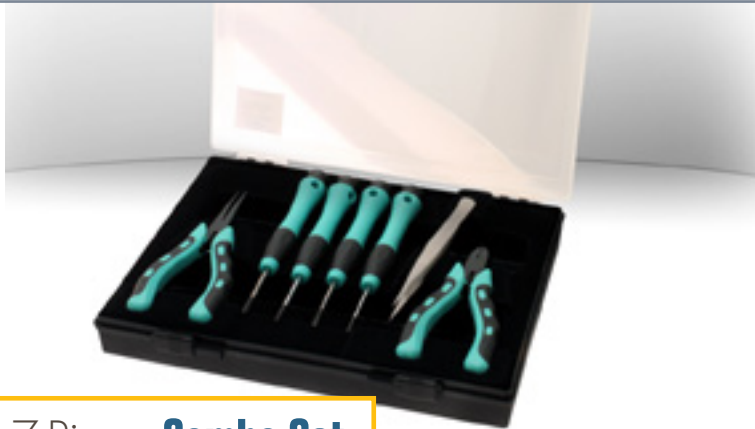
Slotted: 40mm in sizes 1.8 and 2.5

Phillips: 40mm in sizes No. 00 and No. 0

4" Diagonal Cutter

5" Sharp Pointed Tweezers

Part #	Description
13717	6-Piece Combo Set



7-Piece **Combo Set**

Includes

Slotted: 40mm in sizes 1.8 and 2.5
Phillips: 40mm in sizes No. 00 and No. 0
4" Diagonal Cutter
4" Long Nose Pliers
5" Sharp Pointed Tweezers

Part #	Description
13718	7-Piece Combo Set



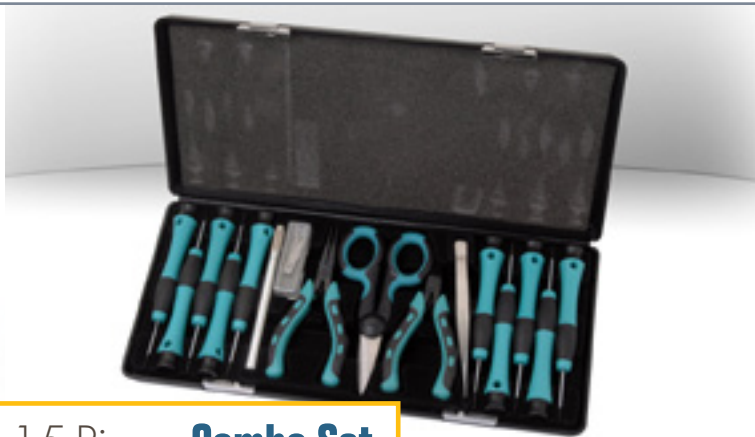
11-Piece **Combo Set**

Includes

Slotted: 40mm in sizes 1.2, 1.5, 1.8, 2.0 and 2.5
Phillips: 40mm in sizes 000, 00 and 0
4" Diagonal Cutter
4" Long Nose Pliers
5" Sharp Pointed Tweezers

Part #	Description
13719	11-Piece Combo Set

Precision **Screwdriver Sets**



15-Piece **Combo Set**

Includes

Slotted: 40mm in sizes 1.0, 1.2, 1.5, 1.8, 2.0 and 2.5
Phillips: 40mm in sizes 000, 00
Hex: 40mm in sizes 0.9, 1.3 and 1.5
4" Diagonal Cutter
4" Long Nose Pliers
5" Sharp Pointed Tweezers
4-1/2" Scissors
Precision Knife Handle with 6 blades

Part #	Description
13720	15-Piece Combo Set



11-Piece Microtip **Screwdriver Set**

Includes

Slotted: 40mm in sizes 0.8, 1.0, 1.2, 1.5, 1.8, 2.0, and 2.5
Phillips: 40mm in sizes 00, 0 and 1

Part #	Description
13721	11-Piece Microtip Screwdriver Set



6-Piece Reversible **Screwdriver Set**

Includes

- Slotted Reversible:** 120mm in sizes: 0.25 x 1.5 and 0.5 x 3.0
0.4 x 2.0 and 0.6 x 3.5
0.4 x 2.5 and 0.8 x 4.0
- Phillips Reversible:** 120mm in sizes: No.000 and No. 00
No. 0 and No. 1
0.4 x 2.5 and 0.8 x 4.0
- Neo Microtip Screwdriver Handle & Roll Up Pouch**

Part #	Description
13722	6-Piece Reversible Precision Screwdriver Set



26-Piece **Bit and Socket Set**

Includes

- Slotted:** 40mm in sizes 2.0, 2.5, 3.0 and 4.0
- Phillips:** 00 and 0
- PZ:** 00 and 0
- Torx:** 6, 7, 8, 9 and 10
- Hex:** 1.5, 2.0 and 2.5
- Ball Point:** 1.5, 2.0 and 2.5
- Adapters:** 4mm Hex, 1/4" SQ, 25mm
- Socket:** 1/4" Drive: 3.2, 4.0, 5.0, 5.5 and 7.0
- Neo Microtip Screwdriver Handle**

Part #	Description
13723	26-Piece Bit and Socket Set

Precision **Screwdriver Sets**

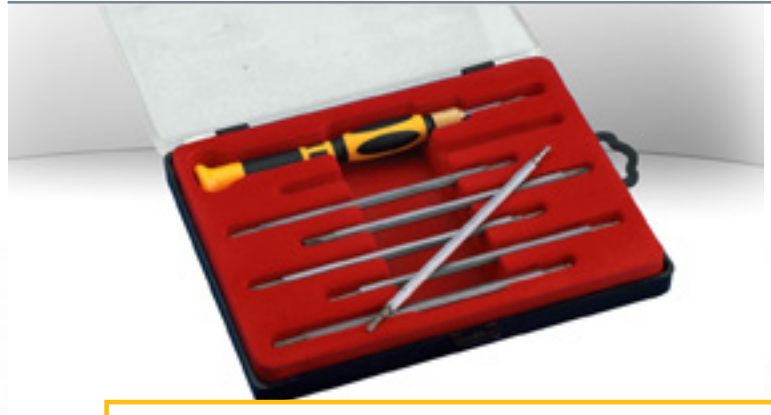


7-Piece Precision **Screwdriver Set**

Includes

- 13901,** 1.6mm Slotted Screwdriver
- 13902,** 2.0mm Slotted Screwdriver
- 13903,** 2.4mm Slotted Screwdriver
- 13904,** 3.0mm Slotted Screwdriver
- 13911,** Size No. 00 Phillips Screwdriver
- 13912,** Size No. 0 Phillips Screwdriver
- 13913,** Size No. 1 Phillips Screwdriver

Part #	Description
13940	7-Piece Precision Screwdriver Set



14-in-1 Reversible **Screwdriver Set**

Includes

- Slotted:** 1.5mm, 2.0mm, 3.0mm, 4.0mm
- Phillips:** No. 0, No. 00, No. 000, No. 1
- Star:** T5, T6, T7, T8, T9, T10
- Handle**

Part #	Description
13941	14 in 1 Reversible Precision Screwdriver Set



Precision **Tweezers**

Aven offers you one of the largest selection of tweezers in the industry. In this section you will find tweezers you need to meet your specific application. Tweezers are offered in a variety of materials, configurations and quality grades.

Our Accu-tek Tweezers are manufactured for Aven in Switzerland and are handcrafted to perfect tip symmetry and balance, polished edges, superior scratch resistant anti-glare finish. Our Accu-tek tweezers are ideal for applications where high precision is required.

Our standard grade Aven tweezers are recommended for general assembly and handling operations.



Quick-Test **Tweezers** Pen-Type **Meters**

Surface mount devices are usually tiny and without wire leads, making it more difficult to test and identify SMD than conventional components.

Our Quick-Test Tweezers gives users an easy way to sort and evaluate loose components and to perform on-board measurements and debugging.

Precise tips made of non-magnetic steel are able to pick and reliably contact even smallest SMD components (as small as 0201 format) or take measurements from the devices already mounted on a board. The probe can also be used to test conventional components with wire leads too short to insert into the test terminals



Quick-Test Auto-Scanning **Tweezers**

Surface mount devices are usually tiny and without wire leads, making it much more difficult to test and identify SMD than conventional components. The Quick Test tweezers gives users an easy way to sort and evaluate loose components and to perform on-board measurements and debugging. Precise tips made of non-magnetic steel are able to pick and reliably contact even smallest SMD components, or take measurements from the device already mounted on a board. The probe can also be used to test conventional components with wire leads too short to insert into the test terminals.

Features:

- 2-piece extra test pins included
- Auto power off
- Auto Scanning Mode/Auto range
- Continuity checking function
- Metal hook attachment
- Entire outer surface of these tester is coated with thermo plastic elastomer
- LCD Display
- Low battery indication
- Overload protection
- Packaged in a sturdy plastic box for protection and safe keeping
- Testing pins gold plated to reduce resistance and prevent rust
- Uses Lithium battery CR2032, included
- Will automatically identify whether component is a resistor, capacitor or diode

QUICK-TEST AUTO-SCANNING TWEEZERS	
RESISTANCE RANGE	300/3K/30K/300K/3m/30M Ohms Resolution: 0.1 Ohms
CAPACITANCE RANGE	3/30/300/nF 3uF/30uF/300uF/3mF/30mF Resolution 1pF
DIODE CHECK	Open Voltage: 2.8V Testing Current: 2mA
CONTINUITY CHECK	When resistance is less than 30 ohms the buzzer will be activated

Part #	Description
18910	Quick-Test Auto-Scanning Tweezers



Pen-Type **Meter Pen**

This compact pen type meter is a professional instrument with a large LCD display for easy viewing. Overload protection and low battery indication is provided.

Designed for testing circuit boards.

Features:

- Conforms to IEC 1010-1 Standard CAT 600V
- Rubber case molding provides extra protection
- Display: 1999 counts
- Auto/Manual range
- Maximum value hold
- Data hold
- Auto power off
- DCV: 200m/2/20/200/600V \pm 0.7%
- ACV: 200m/2/20/200/600V \pm 0.8%
- Resistance: 200/2k/20k/200k/2MO/20MO \pm 1.2%
- DCA: 20m/200mA \pm 1.5%
- ACA: 20m/200mA \pm 2.0%
- Resettable fuse inside
- Logic level test
- Continuity test
- Diode test
- Power: 1.5V (AAA) x 2
- Size: 208mm x 38mm x 29mm
- Weight: Approx. 0.25g (including battery)
- Accessories: A pair of test leads, Carrying case, 2 AAA batteries, manual

Part #	Description
18915	Pen-Type Meter Pen



Precision Tweezers

We offer a wide variety of tweezers to meet a broad range of applications and 2 different quality grades.

In order to choose the best tool for your application:

1. Determine the type of points best suited for your application.
2. Refer to the material guide below and select the correct material for your application.
3. Determine the quality level required for your application if applicable. (Table 1)
4. Remember there is a trade-off between hardness, magnetism and corrosion resistance. (Table 2)

Special Coatings (Available on non-magnetic steel only)

TE - Teflon Superior anti-scratch, non-stick material. Acid resistant. 400°F/200°C

EP - Epoxy Good electrical insulation and resistance to chemicals. Antiglare. 300°F/150°C

GP - Gold Plating Very high corrosion resistance. Smooth anti-scratch, anti-glare, no tarnish finish.

* To order tweezers with above mentioned coatings, please add the symbol to the Part #.

* Call AVEN for price and delivery time.

QUALITY GRADES (TABLE 1)

ACCU-TEK ★★★★	Made from the finest steels. Perfectly Balanced for a superior feel. Light weight with soft tension with accurately finished points. Recommended for work under high power magnification aerospace and micro electronics and in applications where high precision is required. All Accu-Tek precision tweezers are made from anti-acid, anti-magnetic stainless steel.
TECHNIK ★★★	Finely crafted tweezers. Anti-glare finish to reduce eye strain. Hand finished points for accuracy. Recommended for micro electronics and precision assembly.

MATERIAL SELECTION GUIDE (TABLE 2)

MATERIAL	TIP HARDNESS	MAGNETISM	CORROSION RESISTANCE
Carbon steel	Excellent	Yes	Low
Stainless Steel	Very Good	Some	Good
Stainless Steel, Anti-magnetic, Anti-acid	Good	None to very little	Excellent, Resists Acids
Carbon Composite	Soft	Non	Non-corrosive

Ceramic: ESD Safe, non magnetic. Resists all chemicals except hydrofluoric acids. Withstands temperatures up to 900°F. Heat sink fighter.

Plastic: We offer static dissipative plastic tweezers. Plastic tweezers are non magnetic, resist virtually all commercial solvents. Non absorbent and easy to clean. Tips are non-marring.

Carpenter 20, Nickel, Titanium, Beryllium, Copper & Brass: Available on special order.

SA– Stainless Steel Anti-Acid/Anti-Magnetic
CS– Carbon Steel, Nickel Chrome Plated



Pattern **AA** Straight, Strong, Precise

For general assembly, very strong and precise tips with fine finish.

Part #	Description	Grade	Length
18011-CS	Aven Tweezers AA-CS	***	5in 130mm
18013USA	Technik Tweezers AA-SA	***	5in 130mm



Pattern **AC** Straight, Thick, Flat, Strong

Sturdy tips for bending and handling very fine wire and components. Has finger serrations.

Part #	Description	Grade	Length
18014-CS	Aven Tweezers AC-CS	***	4 3/4 in 120mm
18016USA	Technik Tweezers AC-SA	***	4 3/4 in 120mm

Precision Tweezers



Pattern **MM** Straight, Strong, Precise

Economical general-purpose tweezers slightly larger than AA.

Part #	Description	Grade	Length
18021-CS	Aven Tweezers MM-CS	***	5in 130mm
18023USA	Technik Tweezers MM-SA	***	5in 130mm



Pattern **O** Straight, Fine

Fine straight point tweezers for handling and positioning of miniature parts or fine wire.

Part #	Description	Grade	Length
18026ACU	Accu-Tek Tweezers O-SA	****	4 3/4 in 120mm
18026USA	Technik Tweezers O-SA	***	4 3/4 in 120mm



Pattern **OA** Straight, Fine

Straight point tweezers with radius edges. Designed for dense areas.

Part #	Description	Grade	Length
18027USA	Technik Tweezers OA-SA	***	4 3/4 in 120mm



Pattern **OC** Straight, Fine

Flat edges, fine tips and short.

Part #	Description	Grade	Length
18029ACU	Accu-Tek Tweezers OC-SA	****	3 1/2 in 90mm
18029USA	Technik Tweezers OC-SA	***	3 1/2 in 90mm

SA– Stainless Steel Anti-Acid/Anti-Magnetic
CS– Carbon Steel, Nickel Chrome Plated



Pattern 00 Straight, Thick, Flat, Strong

Flat edges, heavy-duty strong blades tapering to regular strong points.

Part #	Description	Grade	Length
18032-CS	Aven Tweezers OO-CS	★★★	4 3/4 in 120mm
18032ACU	Accu-Tek Tweezers OO-SA	★★★★	4 3/4 in 120mm
18032USA	Technik Tweezers OO-SA	★★★	4 3/4 in 120mm



Pattern 00C Straight, Thick, Flat, Strong

Flat edges, heavy-duty strong blades tapering to regular strong points, shorter version of Pattern OO

Part #	Description	Grade	Length
18034USA	Technik Tweezers OOC-SA	★★★	4 1/2 in 115mm

Precision Tweezers



Pattern 00D Straight, Thick, Flat, Strong

Flat edges, heavy-duty blades tapering to regular strong points with serrated tips and grips.

Part #	Description	Grade	Length
18036-CS	Aven Tweezers OOD-CS	★★★	4 3/4 in 120mm
18037ACU	Accu-Tek Tweezers OOD-SA	★★★★	4 3/4 in 120mm
18037USA	Technik Tweezers OOD-SA	★★★	4 3/4 in 120mm



Pattern SS Straight, Fine

Extra long and narrow tweezers with extended reach and access to confined areas.

Part #	Description	Grade	Length
18040ACU	Accu-Tek Tweezers SS-SA	★★★★	5 1/2 in 140mm
18040USA	Technik Tweezers SS-SA	★★★	5 1/2 in 140mm



Pattern 1 Straight, Fine

General use, strong blades with fine points.

Part #	Description	Grade	Length
18043-CS	Aven Tweezers 1-CS	★★★	4 3/4 in 120mm
18043ACU	Accu-Tek Tweezers 1-SA	★★★★	4 3/4 in 120mm
18043USA	Technik Tweezers 1-SA	★★★	4 3/4 in 120mm



Pattern 2 Tapered Sharp

Tapered sharp point for bending and handling of small wires and parts.

Part #	Description	Grade	Length
18046-CS	Aven Tweezers 2-CS	★★★	4 3/4 in 120mm
18046ACU	Accu-Tek Tweezers 2-SA	★★★★	4 3/4 in 120mm
18046USA	Technik Tweezers 2-SA	★★★	4 3/4 in 120mm

SA– Stainless Steel Anti-Acid/Anti-Magnetic
CS– Carbon Steel, Nickel Chrome Plated

AVEN



Pattern 2A Tapered, Flat

Straight flat tips. Provides large flat gripping surface.

Part #	Description	Grade	Length
18049-CS	Aven Tweezers 2A-CS	***	4 3/4 in 120mm
18049ACU	Accu-Tek Tweezers 2A-SA	****	4 3/4 in 120mm
18049USA	Technik Tweezers 2A-SA	***	4 3/4 in 120mm



Pattern 2AB Curved, Flat

Bent flat tips. Tips provide large flat gripping surface

Part #	Description	Grade	Length
18050USA	Technik Tweezers 2AB-SA	***	4 3/4 in 120mm

Precision Tweezers



Pattern 3 Straight, Ultra Fine

Fine point tweezers for general assembly or light magnification applications.

Part #	Description	Grade	Length
18053-CS	Aven Tweezers 3-CS	***	4 3/4 in 120mm
18053ACU	Accu-Tek Tweezers 3-SA	****	4 3/4 in 120mm
18053USA	Technik Tweezers 3-SA	***	4 3/4 in 120mm



Pattern 3C Straight, Ultra Fine

Very popular fine point tweezers. Same as our pattern #3 but shorter.

Part #	Description	Grade	Length
18054-CS	Aven Tweezers 3C-CS	***	4 1/4 in 110mm
18056ACU	Accu-Tek Tweezers 3C-SA	****	4 1/4 in 110mm
18056USA	Technik Tweezers 3C-SA	***	4 1/4 in 110mm



Pattern 4 Tapered, Ultra Fine

For extra fine work, blades taper sharply from body to very fine long rounded points.

Part #	Description	Grade	Length
18057-CS	Aven Tweezers 4-CS	***	4 1/4 in 110mm
18059ACU	Accu-Tek Tweezers 4-SA	****	4 1/4 in 110mm
18059USA	Technik Tweezers 4-SA	***	4 1/4 in 110mm



Pattern 5 Tapered, Ultra Fine

For extra fine work, long blades break sharply from body and taper to super fine points.

Part #	Description	Grade	Length
18060-CS	Aven Tweezers 5-CS	***	4 1/4 in 110mm
18062ACU	Accu-Tek Tweezers 5-SA	****	4 1/4 in 110mm
18062USA	Technik Tweezers 5-SA	***	4 1/4 in 110mm

SA– Stainless Steel Anti-Acid/Anti-Magnetic
CS– Carbon Steel, Nickel Chrome Plated



Pattern **5A** Angled, Ultra Fine

Oblique fine points for greater visibility.

Part #	Description	Grade	Length
18065-CS	Aven Tweezers 5A-CS	***	4 1/2 in 115mm
18065ACU	Accu-Tek Tweezers 5A-SA	****	4 1/2 in 115mm
18065USA	Technik Tweezers 5A-SA	***	4 1/2 in 115mm



Pattern **5B** Angled, Ultra Fine

Super micro, high precision bent tips provide maximum visibility.

Part #	Description	Grade	Length
18066-CS	Aven Tweezers 5B-CS	***	4 1/4 in 110mm
18066ACU	Accu-Tek Tweezers 5B-SA	****	4 1/4 in 110mm
18066USA	Technik Tweezers 5B-SA	***	4 1/4 in 110mm

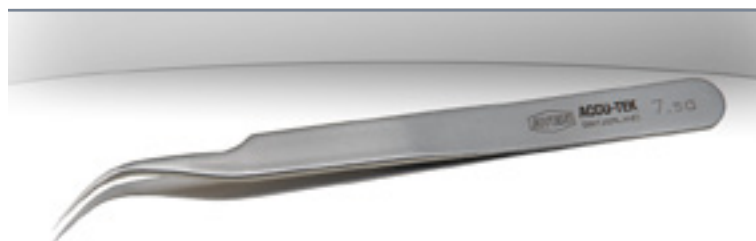
Precision Tweezers



Pattern **6** Angled, Fine

Angled fine tip allows access into tight areas.

Part #	Description	Grade	Length
18067-CS	Aven Tweezers 6-CS	***	4 3/4 in 120mm
18069ACU	Accu-Tek Tweezers 6-SA	****	4 3/4 in 120mm
18069USA	Technik Tweezers 6-SA	***	4 3/4 in 120mm



Pattern **7** Curved, Ultra Fine

For assembly work. hand can rest on bench, curved super fine points.

Part #	Description	Grade	Length
18070-CS	Aven Tweezers 7-CS	***	4 1/2 in 115mm
18072ACU	Accu-Tek Tweezers 7-SA	****	4 1/2 in 115mm
18072USA	Technik Tweezers 7-SA	***	4 1/2 in 115mm



Pattern **7B** Curved, Ultra Fine

Curved precision point tweezers. Similar to 7 but tips are serrated.

Part #	Description	Grade	Length
18074USA	Technik Tweezers 7B-SA	***	4 1/2 in 115mm

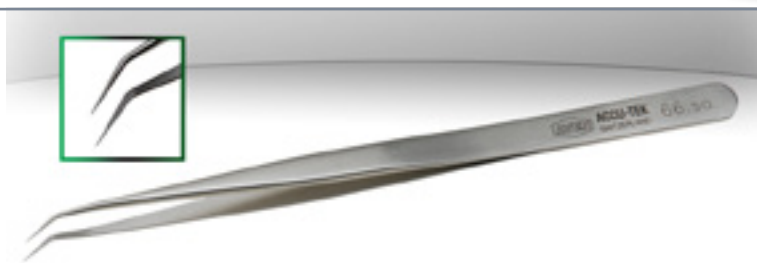


Pattern **65A** Angled, Ultra Fine

Long fine curved tips.

Part #	Description	Grade	Length
18076ACU	Accu-Tek Tweezers 65A-SA	****	5 1/2 in 140mm

SA– Stainless Steel Anti-Acid/Anti-Magnetic
CS– Carbon Steel, Nickel Chrome Plated



Pattern **66** Angled, Ultra Fine

Long double bent lips.

Part #	Description	Grade	Length
18077ACU	Accu-Tek Tweezers 66-SA	★★★★	5 1/2 in 140mm



Pattern **3CB** Angled, Ultra Fine

Same as 3C except tips are bent.

Part #	Description	Grade	Length
18078ACU	Accu-Tek Tweezers 3CB-SA	★★★★	4 1/4 in 110mm

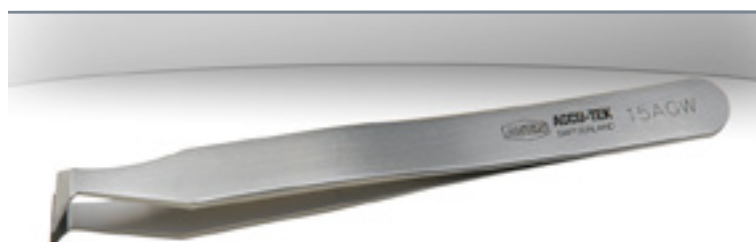
Precision Tweezers



Pattern **3F** Straight, Ultra Fine

Tips touch over 3mm for holding tiny wires.

Part #	Description	Grade	Length
18079ACU	Accu-Tek Tweezers 3F-SA	★★★★	4 3/4 in 120mm



Pattern **15AWG** Cutting, Sharp

For cutting hairsprings and fine wires.

Part #	Description	Grade	Length
18114ACU	Accu-Tek Tweezers 15AWG-SA	★★★★	4 1/2 in 115mm



Pattern **35A** Straight, Broad

For handling wafers and delicate parts.

Part #	Description	Grade	Length
18201-SA	Aven Tweezers 35A-SA	★★★	4 3/4 in 120mm



Pattern **36** Straight, Broad, Angled

Angled broad tip tweezers with large paddle style tips. Wide tips provide firm grip.

Part #	Description	Grade	Length
18202-SA	Aven Tweezers 65A-SA	★★★	4 3/4 in 120mm



Mini precision tweezers features a small compact shape with precision engineered tips. Available in five popular styles: OOD, #2, #2A, #3 & #5. Tweezers are manufactured from Anti-Acid, Anti-Magnetic Stainless Steel, Swiss Made.



Pattern **OOD** Straight, Thick, Flat, Strong

Flat edges, heavy-duty strong blades tapering to regular strong points. Serrated tips and grips. Length: 3.54" (90mm). Stainless Steel, Anti-Magnetic, Anti-Acid

Part #	Description	Grade	Length
18037-MS	Accu-Tek Mini Tweezers OOD	★★★★	3.54 in 90 mm

Mini Precision Tweezers



Pattern **2** Tapered, Sharp

Tapered sharp point for bending and handling of small wires and parts. Length: 3.54" (90mm). Stainless Steel, Anti-Magnetic, Anti-Acid

Part #	Description	Grade	Length
18046-MS	Accu-Tek Mini Tweezers 2	★★★★	3.54 in 90 mm



Pattern **2A** Tapered, Flat

Straight flat tips. Provides large flat gripping surface. Length: 2.80" (71mm). Stainless Steel, Anti-Magnetic, Anti-Acid

Part #	Description	Grade	Length
18049-MS	Accu-Tek Mini Tweezers 2A	★★★★	2.80 in 71 mm



Pattern **3** Straight, Ultra Fine

Extra long and narrow straight point tweezers. Length: 2.80" (71mm). Stainless Steel, Anti-Magnetic, Anti-Acid

Part #	Description	Grade	Length
18053-MS	Accu-Tek Mini Tweezers 3	★★★★	2.80 in 71 mm



Pattern **5** Tapered, Ultra Fine

For extra fine work, long blades break sharply from body and taper to super fine points. Length: 3.19" (81mm). Stainless Steel, Anti-Magnetic, Anti-Acid

Part #	Description	Grade	Length
18062-MS	Accu-Tek Mini Tweezers 5	★★★★	3.19 in 81 mm



Carbofib **Tweezers**

Anti-Magnetic, Anti-Acid Stainless Steel Grips, with "Carbofib Tips." Fully ESD Safe (102 ohm) but at the same time, soft and non scratching. These conductive synthetic fiber tips are ideally suited to handle delicate and fragile components when extreme care and ESD safety are an absolute necessity. Every tweezers is manually finished and tested for maximum precision. Chemical resistant and heat resistant up to 256°C.



Pattern **302-CF** Straight, Broad

Straight Broad Tips.

CARBOFIB 302-CF TWEEZERS	
NOSE STYLE	Straight, Broad
LENGTH	5in 130mm
TIP WIDTH	2mm

Part #	Description
18702	Carbofib 302-CF Tweezers



Pattern **304-CF** Straight, Fine Tips

Straight Fine Tips.

CARBOFIB 304-CF TWEEZERS	
NOSE STYLE	Straight, Ultra Fine
LENGTH	5in 130mm
TIP WIDTH	0.6mm

Part #	Description
18704	Carbofib 304-CF Tweezers

Carbofib **Tweezers**



Pattern **3-CF** Straight, Fine

Excellent for subminiature assembly work. Sharp fine tips.

CARBOFIB 3-CF TWEEZERS	
NOSE STYLE	Straight, Fine
LENGTH	5in 130mm
TIP WIDTH	0.8mm

Part #	Description
18760	Carbofib 3-CF Tweezers



Pattern **5-CF** Straight, Ultra Fine

Ultra-Fine Tip Tapered, for subminiature work in densely packed areas.

CARBOFIB 5-CF TWEEZERS	
NOSE STYLE	Straight, Ultra Fine
LENGTH	5in 130mm
TIP WIDTH	0.5mm

Part #	Description
18762	Carbofib 5-CF Tweezers



Pattern **2-CF** Straight, Strong, Precise

Tapered precision point for bending and handling small wires.

CARBOFIB 2-CF TWEEZERS	
NOSE STYLE	Straight, Strong, Preise
LENGTH	5in 130mm
TIP WIDTH	0.8mm

Part #	Description
18767	Carbofib 2-CF Tweezers

Carbofib **Tweezers**



Pattern **2A-CF** Straight, Strong, Precise

Provides larger flat gripping surface.

CARBOFIB 2A-CF TWEEZERS	
NOSE STYLE	Straight, Strong, Preise
LENGTH	5in 130mm
TIP WIDTH	1.8mm

Part #	Description
18768	Carbofib 2A-CF Tweezers



Pattern **7-CF** Curved, Fine

Bent tipped tweezers for assembly work.

CARBOFIB 7-CF TWEEZERS	
NOSE STYLE	Curved, Fine
LENGTH	5in 130mm
TIP WIDTH	0.6mm

Part #	Description
18769	Carbofib 7-CF Tweezers



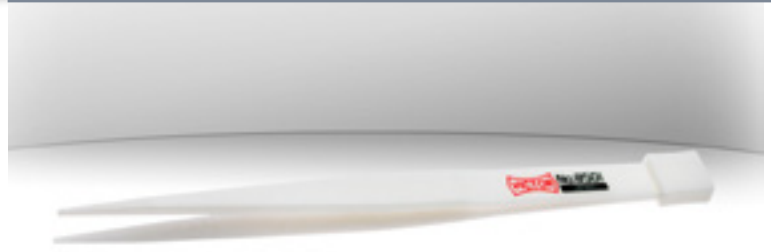
Ceramic Tweezers

Zirconia Ceramic Tweezers meet the requirements for a high grade tweezers for use in:

- Clean rooms
- Analytical Chemistry
- Chemical Laboratories
- Bio-technology
- Semiconductor manufacturing
- Circuit Board
- Disk Drive
- Magnetic Head Manufacturing

Features:

- Extremely smooth surface and very low coefficient of friction.
- Low thermal conductivity and high thermal shock resistance.
- Excellent electric loss at very high frequency range (VHF, UHF, and SHF).
- Will not cause electromagnetic induction or eddy current loss in high frequency.
- 100% non magnetic, non rusting and non static.
- Highly resistant to all strong acids except hydrofluoric.
- Free from all metallic contamination.
- Solder will not adhere to surface.
- Six times harder than stainless steel.
- Two times harder than carbon steel.
- Will hold tip geometry better than metal.
- Can be subject to microwaves for sterilization.
- Thermal insulators well suited for soldering.
- Resistant to 1500°C



Ceramic Tweezers 1mm Serrated Tips

For working with acids (except HF). For SMD solder pot, high temperature exposure. Clean room approved. Can be sterilized, solder repellent.

CERAMIC TWEEZERS 1MM SERRATED TIPS	
TIP	1mm Serrated
LENGTH	5in 130mm
RESISTANCE TEMPERATURE	1500°C

Part #	Description
18801	Ceramic Tweezers 1mm Serrated Tips

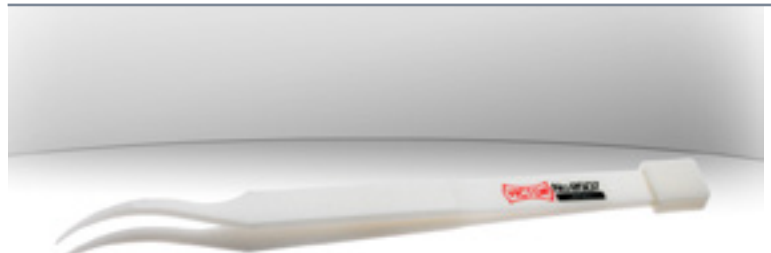
Ceramic Tweezers 1mm Smooth Tips

For working with acids (except HF). For SMD solder pot, high temperature exposure. Clean room approved. Can be sterilized, solder repellent.

CERAMIC TWEEZERS 1MM SMOOTH TIPS	
TIP	1mm Smooth
LENGTH	5in 130mm
RESISTANCE TEMPERATURE	1500°C

Part #	Description
18802	Ceramic Tweezers 1mm Smooth Tips

Ceramic Tweezers



Ceramic Tweezers Ultra Fine Smooth Tips

For working with acids (except HF). For SMD solder pot, high temperature exposure. Clean room approved. Can be sterilized, solder repellent.

CERAMIC TWEEZERS ULTRA FINE SMOOTH TIPS	
TIP	Straight Very Fine Smooth
LENGTH	5in 130mm
RESISTANCE TEMPERATURE	1500°C

Part #	Description
18803	Ceramic Tweezers Ultra Fine Smooth Tips

Ceramic Tweezers Curved Fine Smooth Tips

For working with acids (except HF). For SMD solder pot, high temperature exposure. Clean room approved. Can be sterilized, solder repellent.

CERAMIC TWEEZERS CURVED FINE SMOOTH TIPS	
TIP	Curved Fine Smooth Tips
LENGTH	5in 130mm
RESISTANCE TEMPERATURE	1500°C

Part #	Description
18804	Ceramic Tweezers Curved Fine Smooth Tips



Pattern 71 Straight, Fine, Smooth Tips

Zirconia ceramic tips. Contamination free. Temperature resistant to 1500°C. Solder and wear resistant. Stainless Steel handles. Straight fine smooth tips. Length of tips: 1.2" (30mm).

Part #	Description	Length
18810	Ceramic Tweezers Pattern 71	5 1/4 in

Ceramic Tweezers



Pattern 72 Strong, Fine, Smooth Tips

Zirconia ceramic tips. Contamination free. Temperature resistant to 1500°C. Solder and wear resistant. Stainless Steel handles. Strong fine smooth tips. Length of tips: 1.2" (30mm).

Part #	Description	Length
18811	Ceramic Tweezers Pattern 72	5 1/4 in



Pattern 73 Extra Fine, Smooth Tips

Zirconia ceramic tips. Contamination free. Temperature resistant to 1500°C. Solder and wear resistant. Stainless Steel handles. Extra fine smooth tips Length of tips: 1.3" (33mm).

Part #	Description	Length
18812	Ceramic Tweezers Pattern 73	5 1/4 in



Pattern 74 Broad, Smooth Tips

Zirconia ceramic tips. Contamination free. Temperature resistant to 1500°C. Solder and wear resistant. Stainless Steel handles. Broad smooth tips. Length of tips: 40mm. Tip width: 0.5mm

Part #	Description	Length
18813	Ceramic Tweezers Pattern 74	5 3/8 in



Pattern 7MZ Extra Fine, Bent Tips

Zirconia ceramic tips. Contamination free. Temperature resistant to 1500°C. Solder and wear resistant. Stainless Steel handles. Extra fine, bent tips. Length of ceramic tips: 1.7"(45.5mm).

Part #	Description	Length
18814	Ceramic Tweezers Pattern 7MZ	5 1/4 in



Plastic Tweezers

Aven offers standard plastic tweezers and ESD Safe Plastic Tweezers.

Standard Plastic Tweezers

Features:

- Tips do not spread under pressure
- Manufactured from reinforced plastic
- Non ESD Safe, Non Magnetic

Recommended Uses:

- Ideal for handling delicate parts.

ESD Safe Plastic Tweezers - Swiss Made

Features:

- Manufactured from Polyetheretherketone reinforced with 30% carbon fiber (PEEK/CF30)
- Very hard, rigid, high tensile and flexural strength
- Excellent wear and heat resistance (260 to 300 degree C)
- Resistant to most chemicals and aggressive agents
- ESD Safe, surface resistivity (10 to the 6 Ohms)

Recommended Uses:

- Handling of components in cleaning/chemical/assembly of components.



Pattern **P2A** Straight, Flat Tips

PLASTIC TWEEZERS P2A STRAIGHT, FLAT TIPS	
TIP	Straight, Flat
LENGTH	4 1/2in 115mm
Part #	Description
18511	Plastic Tweezers P2A Straight, Flat Tips



Pattern **2AB** Curved Flat Tips

PLASTIC TWEEZERS 2AB CURVED, FLAT TIPS	
TIP	Curved, Flat
LENGTH	4 1/2in 115mm
Part #	Description
18514	Plastic Tweezers 2AB Curved, Flat Tips

Standard Plastic Tweezers



Pattern **2C** Fine, Straight Tips

PLASTIC TWEEZERS 2C FINE, STRAIGHT TIPS	
TIP	Fine, Straight
LENGTH	4 1/2in 115mm
Part #	Description
18517	Plastic Tweezers 2C Fine, Straight Tips



Pattern **6A** Very Fine, Angulated Tips

PLASTIC TWEEZERS 6A VERY FINE, ANGULATED TIPS	
TIP	Very Fine, Angulated
LENGTH	4 1/2in 115mm
Part #	Description
18520	Plastic Tweezers 6A Very Fine, Angulated Tips



Pattern **7** Fine, Curved Tips

PLASTIC TWEEZERS 7 FINE, CURVED TIPS	
TIP	Fine, Curved
LENGTH	4 1/2in 115mm

Part #	Description
18523	Plastic Tweezers 7 Fine, Curved Tips



Pattern **35** Straight, Flat Tips

PLASTIC TWEEZERS 35 STRAIGHT, FLAT TIPS	
TIP	Straight, Flat
LENGTH	4 1/2in 115mm

Part #	Description
18526	Plastic Tweezers 35 Straight, Flat Tips

Standard Plastic **Tweezers**



Pattern **35A** Straight, Broad, Flat Tips

PLASTIC TWEEZERS 35A STRAIGHT, BROAD, FLAT TIPS	
TIP	Straight, Broad, Flat
LENGTH	4 1/2in 115mm

Part #	Description
18529	Plastic Tweezers 35A Straight, Broad, Flat Tips



Pattern **702A** Straight, Flat Tips

ESD PLASTIC TWEEZERS 702A STRAIGHT, FLAT TIPS	
TIP WIDTH	0.08in 2mm
LENGTH	4 1/2in 115mm
Part #	Description
18531	ESD Plastic Tweezers 702A Straight, Flat Tips



Pattern **705** Very Fine, Tapered Tips

ESD PLASTIC TWEEZERS 705 VERY FINE, TAPERED TIPS	
TIP WIDTH	0.02in 0.5mm
LENGTH	4 1/2in 115mm
Part #	Description
18532	ESD Plastic Tweezers 705 Very Fine, Tapered Tips

ESD Safe Plastic Tweezers



Pattern **707** Fine Tips

ESD PLASTIC TWEEZERS 707 FINE TIPS	
TIP WIDTH	0.02in 0.5mm
LENGTH	4 1/2in 115mm
Part #	Description
18533	ESD Plastic Tweezers 707 Fine Tips



Pattern **707A** Curved, Fine Tips

ESD PLASTIC TWEEZERS 707A CURVED, FINE TIPS	
TIP WIDTH	0.025in 0.6mm
LENGTH	4 1/2in 115mm
Part #	Description
18534	ESD Plastic Tweezers 707A Curved, Fine Tips



Pattern **709** Broad, Flat Tips

ESD PLASTIC TWEEZERS 709 BROAD, FLAT TIPS	
TIP WIDTH	0.013in 3.3mm
LENGTH	4 1/2in 115mm
Part #	Description
18535	ESD Plastic Tweezers 709 Broad, Flat Tips



Pattern **710** Wide, Flat Tips

ESD PLASTIC TWEEZERS 710 WIDE, FLAT TIPS	
TIP WIDTH	0.03in 7.7mm
LENGTH	4 1/2in 115mm
Part #	Description
18536	ESD Plastic Tweezers 710 Wide, Flat Tips



Comfort Grip **Tweezers**

Aven comfort grip tweezers are designed to provide you the ultimate in comfort and control, to help you increase productivity and combat fatigue. The foam grips are ESD Safe and the tweezers feature high precision points for exact control. Tweezers are manufactured from Anti-Magnetic, Anti-Acid Stainless Steel.



Comfort Grip **Pattern 00**

Flat edges, heavy duty strong blades, tapering to regular strong points.

Part #	Description	Length
18032-ER	Comfort Grip Tweezers OO-SA	4 3/4 in



Comfort Grip **Pattern 2A**

Straight, flat tips provide large flat gripping surface.

Part #	Description	Length
18049-ER	Comfort Grip Tweezers 2A-SA	4 3/4 in

Comfort Grip **Tweezers**



Comfort Grip **Pattern 3C**

Very Sharp, ultra fine tips.

Part #	Description	Length
18056-ER	Comfort Grip Tweezers 3C-SA	4 1/4 in



Comfort Grip **Pattern 5**

For extra fine work, blades taper sharply from the body to super fine points.

Part #	Description	Length
18062-ER	Comfort Grip Tweezers 5-SA	4 1/2 in



Comfort Grip **Pattern 7**

Curved, super fine tips.

Part #	Description	Length
18072-ER	Comfort Grip Tweezers 7-SA	4 1/2 in



E-Z Pik Precision **Tweezers**

E-Z Pik tweezers features a highly durable special coating for high visibility and easy identification. Helps operators quickly identify the tweezers they need for their particular operation and engineers can easily specify tweezers to be used for a particular process by identifying the color only rather than type and style of tweezers. E-Z Pik tweezers will help improve productivity and process control. Available in six popular styles: AA (Yellow); OO (Red); #2A (Black); #3c (Light Blue); #5 (Green); #7 (Orange). Tweezers are manufactured from Anti-Acid, Anti-Magnetic Stainless Steel.



E-Z Pik **Pattern AA** Straight, Strong, Precise Tips

Part #	Description	Length
18013EZ	E-Z Pik Tweezers AA Yellow	5 in 130mm



E-Z Pik **Pattern OO** Straight, Thick, Strong Tips

Part #	Description	Length
18032EZ	E-Z Pik Tweezers OO Red	4 3/4 in 120mm

EZ Pik Tweezers



E-Z Pik **Pattern 2A** Tapered, Flat Tips

Part #	Description	Length
18049EZ	E-Z Pik Tweezers 2A Black	4 3/4 in 120mm



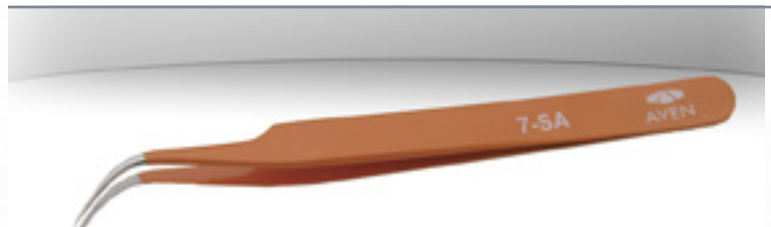
E-Z Pik **Pattern 3C** Straight, Fine Tips

Part #	Description	Length
18056EZ	E-Z Pik Tweezers 3C Light Blue	4 1/2 in 110mm



E-Z Pik **Pattern 5** Tapered, Ultra Fine Tips

Part #	Description	Length
18062EZ	E-Z Pik Tweezers 5 Green	4 1/2 in 110mm



E-Z Pik **Pattern 7** Curved, Fine Tips

Part #	Description	Length
18072EZ	E-Z Pik Tweezers 7 Orange	4 1/2 in 110mm



Titanium Precision **Tweezers**

These titanium tweezers have been found to be excellent for use in the silicon chip industry because titanium tweezers do not shed particles like the stainless steel tweezers. Anytime an abrasive substance is handled and microscopic particles are a detriment, it may be best to choose titanium. Since titanium is non-magnetic, these tweezers are extremely useful when handling magnetic materials or when working in a magnetic field. Titanium is a light weight, high strength material.

Features:

- Lightweight (high strength to weight ratio)
- Zero Magnetic Retentively
- Temperature Resistant to 800°F
- Chemical and Corrosion Resistant
- Non Solder Adhesive.
- Bio compatible (maintain cell integrity, no inflammatory response)
- Typical application: handling of sensitive components in cleaning/chemical processes at high temperatures, histology, biology, forensics, electron microscopy etc.



Titanium Pattern AA

For general assembly, very strong and precise tips with fine finish.

Part #	Description	Length
18013TS	Accu-Tek Titanium Tweezers AA Swiss Made	5in 130mm
18013TT	Aven Titanium Tweezers AA	5in 130mm



Titanium Pattern OO

Flat edges, heavy duty strong blades, tapering to regular strong points.

Part #	Description	Length
18032TS	Accu-Tek Titanium Tweezers OO Swiss Made	4 3/4in 120mm
18032TT	Aven Titanium Tweezers OO	4 3/4in 120mm

Titanium Precision Tweezers



Titanium Pattern OOD

Flat edges, heavy-duty blades tapering to regular strong points with serrated tips and grips.

Part #	Description	Length
18037TT	Aven Titanium Tweezers OOD	4 3/4in 120mm



Titanium Pattern 2

Tapered point for bending and handling of small wires and parts.

Part #	Description	Length
18046TS	Accu-Tek Titanium Tweezers 2 Swiss Made	4 3/4in 120mm
18046TT	Aven Titanium Tweezers 2	4 3/4in 120mm



Titanium Pattern 2A

Straight flat tips, provides large gripping surface

Part #	Description	Length
18049TS	Accu-Tek Titanium Tweezers 2A Swiss Made	4 3/4in 120mm
18049TT	Aven Titanium Tweezers 2A	4 3/4in 120mm



Titanium Pattern 3

Extra long and narrow straight point tweezers with extended reach to access confined areas.

Part #	Description	Length
18053TS	Accu-Tek Titanium Tweezers 3 Swiss Made	4 3/4in 120mm
18053TT	Aven Titanium Tweezers 3	4 3/4in 120mm



Titanium Pattern 3C

Same as 3 but shorter.

Part #	Description	Length
18056TS	Accu-Tek Titanium Tweezers 3C Swiss Made	4 1/4in 110mm
18056TT	Aven Titanium Tweezers 3C	4 1/4in 110mm



Titanium Pattern 4

For extra fine work, blades taper sharply from body to very fine long rounded points.

Part #	Description	Length
18059TT	Aven Titanium Tweezers 4	4 1/2in 114mm

Titanium Precision Tweezers



Titanium Pattern 5

For extra fine work, long blades break sharply from body and taper to super fine points.

Part #	Description	Length
18062TS	Accu-Tek Titanium Tweezers 5 Swiss Made	4 1/4in 110mm
18062TT	Aven Titanium Tweezers 5	4 1/4in 110mm



Titanium Pattern 6

Angled fine tip allows access into tight areas.

Part #	Description	Length
18069TS	Accu-Tek Titanium Tweezers 6 Swiss Made	4 3/4in 120mm
18069TT	Aven Titanium Tweezers 6	4 3/4in 120mm



Titanium Pattern 5A

Oblique fine points for greater visibility.

Part #	Description	Length
18065TT	Aven Titanium Tweezers 5A	4 1/2in 115mm



Titanium Pattern 7

For assembly work. hand can rest on bench, curved super fine points.

Part #	Description	Length
18072TS	Accu-Tek Titanium Tweezers 7 Swiss Made	4 3/4in 120mm
18072TT	Aven Titanium Tweezers 7	4 3/4in 120mm



General Purpose **Tweezers**

Our general purpose tweezers are used for handling and retrieving small parts, assembly operations, handling components or parts under a magnifier or microscopes, handling specimens in laboratories, and much more.

This series offers a broad range of styles and sizes to meet your specific needs.

These tweezers are made from 400 Series stainless steel and have a polished finish.



Aven College Forceps w/Lock

AVEN COLLEGE FORCEPS W/LOCK		
TIP TIP LENGTH	Curved, Serrated 1 5/8in	
MATERIAL	Stainless Steel	
Part #	Description	Length
18400	Aven College Forceps w/Lock	6in 150mm

Aven College Forceps w/Alignment Pin

AVEN COLLEGE FORCEPS W/ALIGNMENT PIN		
TIP	Straight, Serrated	
MATERIAL	Stainless Steel	
Part #	Description	Length
18401	Aven College Forceps w/Alignment Pin	6in 150mm

General Purpose Tweezers



Aven College Forceps w/Alignment Pin

AVEN COLLEGE FORCEPS W/ALIGNMENT PIN		
TIP	Curved, Serrated	
MATERIAL	Stainless Steel	
Part #	Description	Length
18402	Aven College Forceps w/Alignment Pin	6in 150mm

Aven College Forceps w/Alignment Pin

AVEN COLLEGE FORCEPS W/ALIGNMENT PIN		
TIP	Offset Curved, Serrated	
MATERIAL	Stainless Steel	
Part #	Description	Length
18403	Aven College Forceps w/Alignment Pin	6in 150mm



Aven **Fiber Grip** Tweezer

AVEN FIBER GRIP TWEEZER - STRAIGHT		
TIP	Straight, Smooth	
MATERIAL	Stainless Steel, Fiber Grip	
Part #	Description	Length
18415	Aven Fiber Grip Tweezer - Straight	6 1/2in 165mm



Aven **Fiber Grip** Tweezer

AVEN FIBER GRIP TWEEZER - CURVED		
TIP	Curved, Serrated	
MATERIAL	Stainless Steel, Fiber Grip	
Part #	Description	Length
18417	Aven Fiber Grip Tweezer - Curved	6 1/2in 165mm

General Purpose **Tweezers**



Aven **Self Locking** Tweezer

AVEN SELF LOCKING TWEEZER - NARROW		
TIP	Straight, Narrow	
MATERIAL	Stainless Steel	
Part #	Description	Length
18419	Aven Self Locking Tweezer - Narrow	6 1/2in 165mm



Aven **Self Locking** Tweezer

AVEN SELF LOCKING TWEEZER - WIDE		
TIP	Straight, Serrated, Wide	
MATERIAL	Stainless Steel	
Part #	Description	Length
18421	Aven Self Locking Tweezer - Wide	6 1/2in 165mm



Aven **Self Locking** Tweezer

AVEN SELF LOCKING TWEEZER - NARROW SHORT		
TIP	Straight, Narrow	
MATERIAL	Stainless Steel	
Part #	Description	Length
18423	Aven Self Locking Tweezer - Narrow Short	4 1/2in 115mm



Aven **7" Utility** Tweezer

AVEN 7" UTILITY TWEEZER - CURVED		
TIP	Curved	
MATERIAL	Stainless Steel	
Part #	Description	Length
18425	Aven 7" Utility Tweezer - Curved	7 in 180mm



Aven 7" Utility Tweezer

AVEN 7" UTILITY TWEEZER - STRAIGHT		
TIP	Straight	
MATERIAL	Stainless Steel	
Part #	Description	Length
18426	Aven 7" Utility Tweezer - Straight	7 in 180mm



Aven Cross Locking Tweezer

AVEN CROSS LOCKING TWEEZER		
TIP	Straight, Offset, Serrated	
MATERIAL	Stainless Steel	
Part #	Description	Length
18428	Aven Cross Locking Tweezer	6in 150mm

General Purpose Tweezers



Aven Forceps w/Plastic Coated Tips

AVEN 8" FORCEPS W/PLASTIC COATED TIPS		
TIP	Plastic Coated	
MATERIAL	Stainless Steel, Plastic Coated	
Part #	Description	Length
18430	Aven 8" Forceps w/Plastic Coated Tips	8in 205mm



Aven Forceps w/Plastic Coated Tips

AVEN 12" FORCEPS W/PLASTIC COATED TIPS		
TIP	Plastic Coated	
MATERIAL	Stainless Steel, Plastic Coated	
Part #	Description	Length
18431	Aven 12" Forceps w/Plastic Coated Tips	12in 300mm



Aven 12" Forceps

AVEN 12" FORCEPS W/STRAIGHT SERRATED TIPS		
TIP	Straight, Serrated	
MATERIAL	Stainless Steel	
Part #	Description	Length
18432	Aven 12" Forceps w/Straight Serrated Tips	12in 300mm



Aven 10" Forceps

AVEN 10" FORCEPS W/STRAIGHT SERRATED TIPS		
TIP	Straight, Serrated	
MATERIAL	Stainless Steel	
Part #	Description	Length
18433	Aven 10" Forceps w/Straight Serrated Tips	10in 255mm



Aven 8" Forceps

AVEN 8" FORCEPS W/STRAIGHT SERRATED TIPS		
TIP	Straight, Serrated	
MATERIAL	Stainless Steel	
Part #	Description	Length
18434	Aven 8" Forceps w/Straight Serrated Tips	8in 205mm



Aven 6" Forceps

AVEN 6" FORCEPS W/STRAIGHT SERRATED TIPS		
TIP	Straight, Serrated	
MATERIAL	Stainless Steel	
Part #	Description	Length
18435	Aven 6" Forceps w/Straight Serrated Tips	6in 150mm

General Purpose Tweezers



Aven 5" Forceps

AVEN 5" FORCEPS W/STRAIGHT SERRATED TIPS		
TIP	Straight, Serrated	
MATERIAL	Stainless Steel	
Part #	Description	Length
18436	Aven 5" Forceps w/Straight Serrated Tips	5in 130mm



Aven College Forceps w/Alignment Pin

AVEN COLLEGE FORCEPS W/ALIGNMENT PIN		
TIP	Straight, Serrated	
MATERIAL	Stainless Steel	
Part #	Description	Length
18437	Aven College Forceps w/Alignment Pin	4in 100mm



Aven College Forceps w/Alignment Pin

AVEN COLLEGE FORCEPS W/ALIGNMENT PIN		
TIP	Curved, Serrated	
MATERIAL	Stainless Steel	
Part #	Description	Length
18438	Aven College Forceps w/Alignment Pin	4in 100mm



Aven 4 1/2" Curved Tweezer

AVEN 4 1/2" CURVED GENERAL PURPOSE TWEEZER		
TIP	Curved, Serrated	
MATERIAL	Stainless Steel	
Part #	Description	Length
18481	Aven 4 1/2" Curved Tweezer	4 1/2 in 110mm



Aven **4 3/8\"** Tapered Tweezer

AVEN 4 3/8\" TAPERED GENERAL PURPOSE TWEEZER		
TIP	Tapered, Smooth	
MATERIAL	Stainless Steel	
Part #	Description	Length
18482	Aven 4 3/8\" Tapered Tweezer	4 3/8in 103mm



Aven **3\"** Sharp Tweezer

AVEN 3\" SHARP GENERAL PURPOSE TWEEZER		
TIP	Medium Sharp, Serrated	
MATERIAL	Stainless Steel	
Part #	Description	Length
18483	Aven 3\" Sharp Tweezer	3in 80mm

General Purpose Tweezers



Aven **3 1/2\"** Tweezer

AVEN 3 1/2\" GENERAL PURPOSE TWEEZER		
TIP	Slanted, Flat	
MATERIAL	Stainless Steel	
Part #	Description	Length
18484	Aven 3 1/2\" Tweezer	3 1/2in 90mm



Aven **3 1/2\"** Tweezer

AVEN 3 1/2\" GENERAL PURPOSE TWEEZER		
TIP	Straight, Flat	
MATERIAL	Stainless Steel	
Part #	Description	Length
18485	Aven 3 1/2\" Tweezer	3 1/2in 90mm



Aven **3\"** Blunt Tweezer

AVEN 3\" BLUNT GENERAL PURPOSE TWEEZER		
TIP	Blunt, Smooth	
MATERIAL	Stainless Steel	
Part #	Description	Length
18486	Aven 3\" Blunt Tweezer	3in 80mm



Aven **4 1/2\"** Spade Tweezer

AVEN 4 1/2\" SPADE GENERAL PURPOSE TWEEZER		
TIP	Spade	
MATERIAL	Stainless Steel	
Part #	Description	Length
18487	Aven 4 1/2\" Spade Tweezer	4 1/2 in 110mm



Aven **4 1/8" Offset Spade** Tweezer

AVEN 4 1/8" OFFSET SPADE GENERAL PURPOSE TWEEZER		
TIP	Offset Spade	
MATERIAL	Stainless Steel	
Part #	Description	Length
18488	Aven 4 1/8" Offset Spade Tweezer	4 1/8in 108mm



Aven **4 3/4" Smooth** Tweezer

AVEN 4 3/4" SMOOTH GENERAL PURPOSE TWEEZER		
TIP	Straight, Flat, Smooth	
MATERIAL	Stainless Steel	
Part #	Description	Length
18489	Aven 4 3/4" Smooth Tweezer	4 3/4in 120mm

General Purpose Tweezers



Aven **5 11/16" Blunt** Tweezer

AVEN 5 11/16" BLUNT GENERAL PURPOSE TWEEZER		
TIP	Blunt, Narrow	
MATERIAL	Stainless Steel	
Part #	Description	Length
18490	Aven 5 11/16" Blunt Tweezer	5 11/16in 145mm



Aven **4 1/2" Offset Spade** Tweezer

AVEN 4 1/2" OFFSET SPADE GENERAL PURPOSE TWEEZER		
TIP	Offset Bent, Blunt, Serrated	
MATERIAL	Stainless Steel	
Part #	Description	Length
18491	Aven 4 1/2" Offset Spade Tweezer	4 1/2in 115mm



Aven **10" Blunt** Tweezer

AVEN 10" BLUNT GENERAL PURPOSE TWEEZER		
TIP	Bent, Blunt, Serrated	
MATERIAL	Stainless Steel	
Part #	Description	Length
18492	Aven 10" Blunt Tweezer	10in 255mm



Aven **Toothed Tissue** Forcep

AVEN TOOTHED TISSUE FORCEP		
TIP	Blunt, Toothed	
MATERIAL	Stainless Steel	
Part #	Description	Length
18494	Aven Toothed Tissue Forcep	5 1/2 in 140mm



Tweezer Sets

We offer our most popular tweezers styles in sets. These tweezers are either packaged in highly durable pouches or wooden boxes, both designed to protect your tweezers.

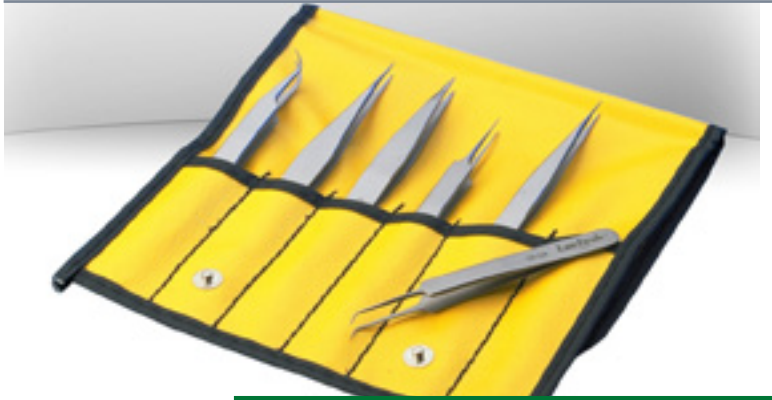
These sets are ideal for carrying the most popular tweezers with you wherever you go.



Teknik **5-Piece** Tweezer Set

Supplied in an elegant padded wooden case. Contains the most popular tweezers: OO-SA, OOD-SA, 3C-SA, 5-SA and 7-SA

TEKNIK 5-PIECE PRECISION TWEEZER SET	
NO. OF PIECES	5
MATERIAL	Stainless Steel, Anti-Magnetic, Anti-Acid
Part #	Description
18476USA	Teknik 5-Piece Precision Tweezer Set



Teknik **6-Piece** Tweezer Set

6 of our most popular tweezers supplied in a plastic pouch. Contains AA-SA, OO-SA, OOD-SA, 3C-SA, 5-SA and 7-SA

TEKNIK 6-PIECE PRECISION TWEEZER SET	
NO. OF PIECES	6
MATERIAL	Stainless Steel, Anti-Magnetic, Anti-Acid
Part #	Description
18475USA	Teknik 6-Piece Precision Tweezer Set

Precision **Tweezer Sets**



E-Z Pik **6-Piece** Tweezer Set

Tweezers included in the set are: Styles AA, OO, 2A, 3C, #5, and #7 in a handy pouch.

E-Z PIK 6-PIECE TWEEZER SET	
NO. OF PIECES	6
MATERIAL	Stainless Steel

Part #	Description
18480EZ	E-Z Pik 5-Piece Tweezer Set



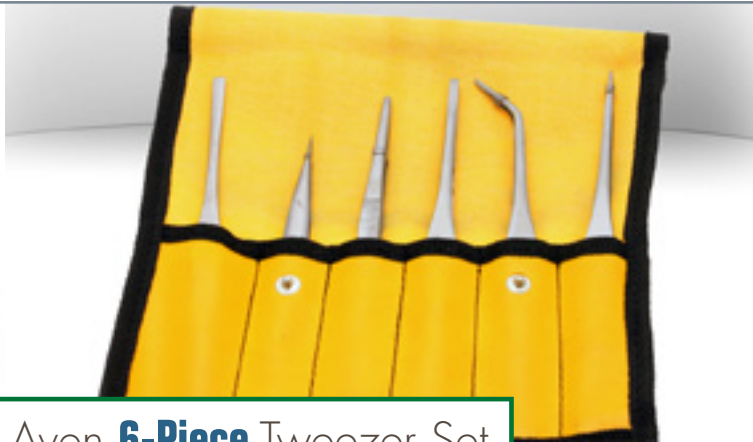
Titanium **6-Piece** Tweezer Set

This set consists of our most popular titanium tweezers in a handy pouch. Tweezers included in the set are Styles 2A, 3c, OO, AA, 5 and 7.

TITANIUM 6-PIECE PRECISION TWEEZER SET	
NO. OF PIECES	6
MATERIAL	Titanium

Part #	Description
18480TT	Titanium 6-Piece Precision Tweezer Set

Precision **Tweezer Sets**



AVEN **6-Piece** Tweezer Set

Contains one each of the following in a plastic pouch: 7" Curved Solder Utility Tweezers, 6" Blunt Tip Tweezers Serrated Points, 4 1/2" Solder Utility Tweezers Sharp Points, 7" Wide Point Tweezers with Lock, 7" Wide Point Cross Locking Tweezers, 7" Solder Utility Tweezers Straight.

AVEN 6-PIECE TWEEZER SET	
NO. OF PIECES	6
MATERIAL	Stainless Steel

Part #	Description
18472	AVEN 6-Piece Tweezer Set



AVEN **5-Piece** Tweezer Set

Contains one each of the following in a plastic pouch: 4 1/4" Curved Tweezer. Serrated Tips, 4 1/4" Spade Tip Tweezers Smooth, 4 1/4" Wide Point Tweezer: Serrated Tips, 4 1/4" Indented Shank Tweezers Smooth Tips, 4 1/2" Solder Utility Tweezers Sharp Points.

AVEN 5-PIECE TWEEZER SET	
NO. OF PIECES	5
MATERIAL	Stainless Steel

Part #	Description
18473	AVEN 5-Piece Tweezer Set



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