



Experts in Finishing and Dispensing Solutions



# GENERAL INDUSTRY PRODUCT RANGE

**EXEL North America**, located in Plymouth, Michigan is the leader of high value added custom and standard solutions for controlled applications of powders and thick or thin fluids in the industrial and automotive markets.

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Our success is possible  
because of our  
strong commitment  
to the growth of our  
employees, who are  
carefully chosen for  
their integrity and  
mission-to-serve with  
a sense-of-urgency  
attitude.

We are committed to  
complete customer  
satisfaction! We vow  
to develop the latest  
innovations, maintain  
close relationships  
with key influentials  
in the industry and  
deliver the best  
solutions for our  
customers.

EXEL's history dates back to  
1925 with the introduction of  
the first aerospray gun from KREMLIN.  
SAMES was founded in 1947 and  
REXSON in 1954. EXEL expanded  
into North America in 1978.

EXEL North America consists  
of over 125 employees with  
offices in Plymouth, Michigan;  
Scarborough, Ontario, Canada;  
and Querétaro, Mexico. We  
have two distinct sales and  
service teams for our Wood &  
General Industry markets and  
our Tier 1 & Automotive markets.

EXEL North America is a wholly  
owned subsidiary of EXEL  
INDUSTRIES, a Global company  
with 21 manufacturing centers,  
two in the US, and 23 subsidiaries,  
three in North America.  
For more information go to  
[www.exel-industries.com](http://www.exel-industries.com).



**Experts in Finishing and Dispensing Solutions**



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# Manual Spray Guns

## Production Guns for Demanding Industrial Environments

There are many choices today in airspray guns. Yet, few can deliver high uptime performance with outstanding finish quality like the Kremlin Rexson guns you will find here.

### HVLP OR LVLP GUNS



#### M22 HTi

This gun is our High Efficiency full production gun. It is available as a pressure or gravity feed gun. The performance is assured using two configurations, HVLP compliant for high performance and transfer efficiency. LVLP for hard to atomize coatings such as high solids and waterbornes.



#### S3 HTi

This gun is our lightest and most compact High Efficiency gun designed for small hands and tight areas. It is available in both pressure and gravity models and is HVLP compliant.

### CONVENTIONAL GUNS



#### M22 HPA

This is our High Finish Quality full production gun. It is available as a pressure, gravity or suction feed gun.



#### S3 HPA

This gun is our lightest and most compact High Finish Quality gun designed for finishing tight areas. It is available as a pressure, gravity or suction feed gun.

### AIRMIX®



#### Xcite™ 120 & 200

AIRMIX® gun delivers outstanding operator comfort with **86% transfer efficiency**. It does this with a lightweight body, a swivel fluid fitting for easy maneuverability and ultra-light trigger for easy handling and increased productivity.

#### Xcite™ 400

The Xcite™ 400 is dedicated to applying single component adhesives and sealants, MS polymers, water-based adhesives, greases, waxes and a large range of thick materials requiring an atomization pressure higher than 200 bar.

### OTHER SPRAY TECHNOLOGY



#### M22 P HTV

This is our VORTEX full production gun. It is available as a pressure feed gun only. This is a gun that uses our unique Vortex technology to spray low viscosity materials on sharply profiled surfaces. The M22 P HTV minimizes mottling and halo effect with stains

#### M22 BasiK HPA

This our High Finish Quality full production economy gun. It is available as a pressure, gravity or suction feed gun.

# Automatic Spray Guns

## The Global Leader in Non-Electrostatic Automatic Guns

Kremlin Rexson sells more high quality automatic non-electrostatic guns than any other manufacturer in the world.

### HVLP - CONVENTIONAL



#### A35 - HVLP

This is a modular gun for quick service. The HPA model is designed for wide pattern and highest finish quality while the HTi is for high efficiency and HVLP compliance.



#### A29

This is a high production gun for demanding finish quality standards. The HPA model is designed for wide pattern and finish quality while the HTi is for high efficiency and HVLP compliance.



#### A28

This gun has a patented needle/packing design that delivers high performance and low service requirements on solvent free abrasive coatings like porcelain enamel. It delivers outstanding efficiency with a high finish quality.



#### A25F - Flowmax®

This modular gun is designed for UV and waterborne coatings where packing life is short on other guns. It uses the FLOWMAX® technology for long life. The A25F is available as a conventional gun only.



#### A3

This compact gun has a low flow rate that produces a fine spray pattern and is extremely efficient. It is capable of spraying small patterns, lines and adhesives. The A3 can be adjusted to HVLP compliant pressures.

### AIRLESS



#### ASI

There are three choices of automatic Airless guns:  
ASI24 for 3600 psi  
ASI40 for 6000 psi  
ASI40GT for 6000 psi  
These have a longer packing life.

### AIRMIX®



#### AVX AIRMIX®

The AVX Airmix® is the most efficient non-electrostatic gun in the industry. It has a modular design for quick service.

2 gun designs & 5 base choices"  
(base or gun circulation for guns and side or rear fluid connections for 4 of the bases, Cefla base for the 5th



#### AXC AIRMIX®

The AXC Airmix® is the most efficient non-electrostatic gun in the industry. This gun is designed for high flow rates and production.



#### ATX AIRMIX®

The ATX gun is the most widely used gun in the world for flat-line and linear finishing. The ATX provides excellent atomization quality and outstanding transfer efficiency. Special tips and bases are available for this modular gun. Capable of spraying UV coatings.



# Fluid Delivery - Airless & Airmix® HP

## Bringing Innovation to Pumping

With new technologies such as high performance Flowmax® technology and SuperQuiet™ air motor designs, Kremlin Rexson has led the way in pump innovations - for low pressure applications.

### AIRLESS



#### 30-C25

The EOS 30-C25 the ideal partner for your AIRLESS spray guns and offers priming at very low pressure 8.7 psi (0.6 bar).



#### 40.25

The 40.25 is ideal for outputs up to 0.4 gal/min (1.5 liters/min)



#### 40.25 WB

Recommended for high viscosity products such as water-based and high solid paints. Ideal for outputs up to 0.4 gal/mn (1.5 liter/mn).



#### 40.25F

New generation Flowmax® pump for low volume applications 0.4 gal/min (1.5 liters/min)



#### 40.50

Piston pump that's ideal for feeding two guns 0.8 gal/mn (3 liter/mn).



#### 40.50FT

New generation Flowmax® pump, ideal for feeding two guns. 0.8 gal/mn (3 liter/mn).



#### 40.50WB

Recommended for high viscosity products such as water-based and high solid paints. Ideal for outputs up to 0.8 gal/mn (3 liter/mn).



#### 40.130F

Recommended for high viscosity products such as water-based and high solid paints. Ideal for outputs up to 1.9 gal/mn (7.2 liter/mn).



#### 65.130T

Recommended for high viscosity products such as water-based and high solid paints. Ideal for outputs up to 1.9 gal/mn (7.2 liter/mn).

# Fluid Delivery - Airmix®

## Bringing Innovation to Pumping

With new technologies such as high performance Flowmax® technology and SuperQuiet™ air motor designs, Kremlin Rexson has led the way in pump innovations - for medium and high pressure applications.

### AIRMIX®



#### EOS 15-C25 & 30-C25

Kremlin Rexson has raised the bar again. The new 15-C25 & 30-C25 EOS pumps have improved reliability and performance, increased pressure ratio and made color changing even faster.

Coming  
Soon



#### EOS 10-C18

Kremlin Rexson's new EOS 10-C18 pump is the ideal partner for your Airmix® Xcite™ spray gun. Pump priming at very low pressure 8.7 psi (0.6 bar).



#### 17A2 & 34A2

Kremlin Rexson's 17A2 and 34A2 FLOWMAX® pumps handle a wide range of coatings, including moisture sensitive, U.V. or waterborne materials.



#### 10.25 GT

This pump is ideal for water-based and solvent based stains.



#### 20.25

Ideal for water-based and high solids materials.



#### 20.50 & 20.50T (Turbo option not pictured)

The 20.50 pump is ideal for water-based and high solid materials. The Turbo air motor is recommended for continuous use. 0.8 gal./min (0.8 liters/min) at 30 cycles



#### 20.25F

Universal AIRMIX® pump for use with all materials, including water-based and high solids.

# Fluid Delivery - Airmix®

## High Flow Rate pumps - feeding multiple guns

With new technologies such as high performance Flowmax® technology and SuperQuiet™ air motor designs, Kremlin Rexson has led the way in pump innovations - for feeding multiple guns.

AIRMIX®



### 08.120T

For circulating and large production applications. The Turbo air motor is recommended for continuous use with multiple guns, flat lines and linear machines.



### 08.120FT

For circulating and large production applications. The Turbo air motor is recommended for continuous use.



### 20.220FT

High output, cartridge free Bellows pump for circulating and automatic machines.



### 16.120T

For circulating and large production applications. The Turbo air motor is recommended for continuous use.



### 16.120FT

For circulating and large production applications. The Turbo air motor is recommended for continuous use.

# Fluid Delivery - Airspray

## Bringing Innovation to Pumping

With new technologies such as high performance Flowmax<sup>®</sup> technology and SuperQuiet<sup>™</sup> air motor designs, Kremlin Rexson has led the way in pump innovations - for low pressure applications.

### AIRSPRAY



#### 04.120

For medium viscosity products with 1 or more guns. For circulating and automatic machines.



#### 04.120F

Bellows pump - Flowmax<sup>®</sup> technology - without packings for automatic machines and circulating



#### 04.220 FT

High output, cartridge free Bellows pump for circulating and automatic machines. The Turbo air motor is provided for long smooth pumping

### DIAPHRAGM PUMPS, PRESSURE POTS - AIRSPRAY



#### PMP-150

This diaphragm pump is designed for fluid applications requiring a 1:1 pressure ratio and can be used on some adhesive applications and harsh or high solids, high viscosity coatings.



#### Pressure pots and cups

2 gallon pressure pot, with or without agitator

2 quart pressure cup is designed for small batch jobs and fast color changes.



#### PMP-150 Transfer

This diaphragm pump is designed for fluid transfer applications.



#### 02.75

The 02.75 piston pump is designed for use with a single or multiple gun systems spraying medium viscosity coatings. It can also be used on a heated circulation system.



## Sealant and Adhesive Solutions

Kremlin Rexson has been in the fluid handling business, offering a wide range of equipment to industrial markets.

### THOR RANGE

The THOR pump range is specially designed for pumping viscous materials.

KREMLIN REXSON equipment can process a wide range of materials including oils, greases, adhesives and sealants.



This equipment has proven itself over the years to be strong and reliable, and can process products from 30,000 up to 1,000,000 centipoise depending on specification.

The modular concept allows you to select an extrusion system comprised of an assembled pump, elevator and follower plate.



### CONTROLS

Coming Soon



#### AUTOSTREAM™ II

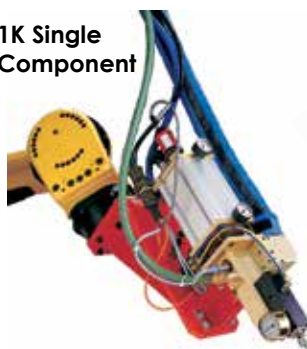
AutoStream™ II sets the benchmark for the next generation of material dispensing control systems.

This compact, PC-based system delivers sophisticated process monitoring and control capabilities in an easy-to-use graphic format that is welcomed by both computer users and non-users alike.

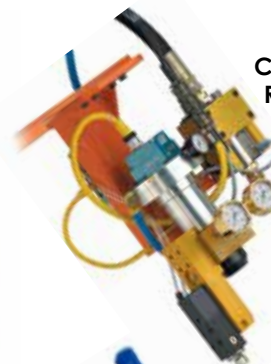
### DISPENSING HEADS - SHOT METERS

Continuous flow, single & two component shot meters.

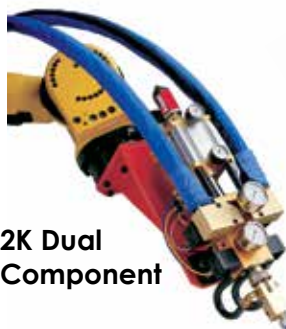
#### 1K Single Component



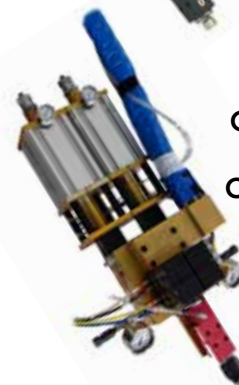
#### 1R Single Component Regulated



#### L1KC Continuous Single Component



#### 2K Dual Component



### 300 GALLON BULK UNLOADING PUMPS



#### Magna Drums

300 gallon bulk unloading pumps

### CARTRIDGE REGULATOR

#### RegSMART™

A high pressure fluid regulator used for precisely controlling the fluid pressure (and flow) of viscous and semi-viscous materials. The unique modular "cartridge" design offers selection of three (3) different cartridge "ball and seat" sizes of 6 mm, 8 mm and 12 mm to achieve the desired fluid system regulation.



# Plural Component Meter/Mix Systems

## High Uptime, Accurate and Simple to Operate

Kremlin Rexson has been producing plural component equipment for over 25 years. Each plural component package is packed with features that deliver high uptime and simplicity of maintenance and operation.

### MECHANICAL MIXING



#### PU 2125F

Low pressure applications

The PU 2125F pump is a fixed ratio two-component pump for low pressure applications, such as conventional or HVLP spray guns.

Available from 1:1 to 5:1 mix ratios.



#### PU 2160F

Airmix® pressure applications.

The PU 2160F fixed ratio pump is used for applying two component material with one Airmix® gun.

The PU 2160F is a complete two component metering and mixing system designed to provide small and medium shops the ability to spray two component coatings at Airmix® pressures.

Available in 1:1, 2:1, 5:1 and 10:1 (316 SS for acid catalyst)

## TYPE OF MATERIALS USED IN PLURAL COMPONET RANGE

- SOLVENT OR WATER-BASED MATERIALS
- POLYURETHANES
- PRIMERS
- LACQUERS
- EPOXY
- PVC
- GLUES \*
- \* *DEPENDING ON VISCOSITY*
- 3K & CARC (CYCLOMIX™ EXPERT)

Specifications	Mechanical		Electronic			Electro-mechanical
	PU 2125F	PU 2160F	Cyclomix Micro+	Cyclomix Multi	Cyclomix Expert	PU 3000
Nb of bases (A) max	1	1	3	7	22	1
Nb of catalysts (B) max	1	1	1	3	22	1
Nb of components (C)	-	-	-	-	1	-
Nb of solvents max	1	1	2	4	22	1
Flushing Type	Manual	Manual	Auto	Auto	Auto	Semi
Mixing accuracy	± 4%	± 4%	± 1%	± 1%	± 1%	± 1%
Max fluid pressure	145 psi (10 bar)	1740 psi (120 bar)	2538 psi (175 bar)	2900 psi (200 bar)	2900 psi (200 bar)	5076 psi (350 bar)
Max output per minute	0.92 gal (3.5 liter) *	0.26 gal (1 liter) *	0.52 gal (2 liter)	0.52 gal (2 liter)	0.79 gal (3 liter)	0.52 gal (2 liter)
Fixed or variable ratio	Fixed	Fixed	Variable	Variable	Variable	Variable
Ratio range	1:1 to 5:1	1:1, 2:1 5:1 and 10:1	0.6:1 to 20:1	0.6:1 to 20:1	0.6:1 to 20:1	1:1 to 20:1

# Plural Component Meter/Mix Systems

## High Uptime, Accurate and Simple to Operate

Kremlin Rexson has been producing plural component equipment for over 25 years. Each plural component package is packed with features that deliver high uptime and simplicity of maintenance and operation.

### ELECTRO-MECHANICAL MIXING

### ELECTRONIC MIXING



#### PU 3000

The PU 3000 is an innovative, economical and patent pending solution that combines electronic control and mechanical metering. The PU 3000 is easy to operate and easy to install.

The control box is user friendly and allows the operator to intuitively learn how to operate the machine.

PU 3000 PH version is available for acid catalyzed coatings.



#### Cyclomix™ Micro

The Cyclomix™ Micro machine parameters are easily set-up to suit almost any application. Operator training is in simple and easy steps that allows for quick start-up and operation.

Cyclomix™ Micro PH versions are also available for acid catalyzed coatings.



#### Cyclomix™ MULTI

The Cyclomix™ MULTI system was designed for production shops that require accurate mixing and a small number of color changes. This system provides easy control and outstanding performance in one package.

The Cyclomix™ MULTI system is also available in a PH version for acid catalyzed coatings.



#### Cyclomix™ Expert

The Cyclomix™ Expert is an innovative, industrial solution that is configured to meet the needs of the customer. This new innovative product can be upgraded over time while still delivering excellent product quality.

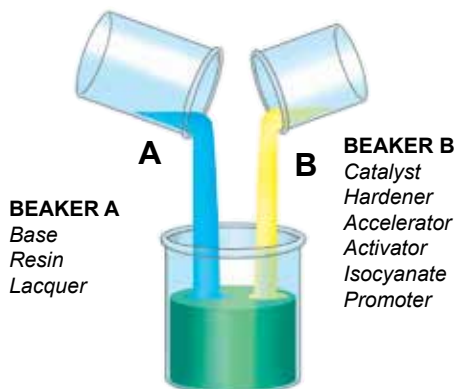
The Cyclomix™ Expert is available in Airspray, Airmix®, and Airless (up to 200 bar) configurations to meet the needs of our customers.

The Cyclomix™ EXPERT system is also available in a PH version for acid catalyzed coatings and 3 component capability.



### ACCURATE MIXING FOR 2K MATERIALS

Electronic proportioning and mixing often has very short payback periods because they deliver significant benefits compared to other methods:



Type of Mixing	Manual (Hot Potting)	Mechanical	Electronic Cyclomix™
Mixing Accuracy	+/- 10%	+/- 4%	+/- 1%
Ratio Control	Poor	Good	Excellent
Mixed Material Quality	Poor	Good	Excellent
Unused Mixed Material	High	Moderate	Very Low
Traceability	Poor	Good	Excellent
Risk of Rework	High	Moderate	Very Low
Fluid Handling Labor Costs	High	Moderate	Very Low
Safety	Poor	Good	Excellent
Ease of Color Change	Poor	Moderate	Excellent

# Electrostatic

## Nothing Compares in Performance and Efficiency

SAMES has the highest performance range of manual and automatic liquid electrostatic applicators in the industry. Nothing compares in uptime, performance, and efficiency.

### AUTOMATIC ELECTROSTATIC

#### PPH308 & PPH707

These are the highest performing and easiest to operate and service in the industry. They use the field repairable air turbines and patented magnetic bell cups. Available for robotic and reciprocating applications.



#### GEARMIX®

High level 2 component system. Using gear driven A and B feed pumps, it has the ability to control both the ratio and the flow rate. Wall mount or stand alone options.



#### NANOBELL™

Has all the performance features and benefits of the larger bells yet it is more compact for mounting on small robots.



#### MULTISPRAY™

This is a hybrid robotic applicator that gives the user a quick way to transition from fan spray to bell technology and back. This is ideal for high risk gun to bell conversions.



#### KAX - Airmix® & KAP-Airspray

These are the easiest guns to install and service. The KAX AIRMIX® gun is the most efficient fan spray gun in the industry.



#### TRP Range

The reciprocator or robot-mounted TRP guns are the industry's most popular electrostatic spray gun. They deliver outstanding finish quality with extremely high uptime.



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SAMES has the highest performance range of manual and automatic liquid electrostatic applicators in the industry. Nothing compares in uptime, performance, and efficiency.

### RECIPROCATOR



#### ISO Bubble™

An isolated pumping system that is safe, ergonomic, easy-to-use and compact.

If water-based paints are used, the paint circuit and tank must be completely insulated. The ISO Bubble I™ unit from Kremlin Rexson meets this requirement.



#### STD 9 Power Supply

The STD 9 compact power supply transforms main alternating current into a variable direct current adjustable between 3V and 12V. It is designed to be used with KMP 3, KMPV 3, KMX 3 and KMC 3 electrostatic spray guns.



#### REV600/RFV 2000

This is a simple controller and reciprocator pack. Combined with a part ID system it is capable of controlling the trigger points of each gun on a multiple gun system so that guns spray only when parts are present.

### MANUAL ELECTROSTATIC



#### MIV 6600

The MIV 6600 is the lightest manual gun in the industry that uses modern electronics. It combines superb operator comfort with outstanding finish quality.

The MIV 6600 is most often used in high production settings where high flow rates are required.



#### KMX 3

KMX 3 is ideal for large parts that requires an Airmix® finish quality.

Built-in HT generator, adjustable high voltage with integrated safety circuit.



#### KMX3 H2O

Designed for water-based materials without built-in electronics and without electrical cable. KMX 3 H2O uses a special hose for an optimal electrostatic effect.

Complex parts: tubular, frames, shapes, tables.

# Powder

## Leading Edge Manual and Automatic Powder Guns

Whether the application is simple or complex, SAMES has the right solution for the application.

### MANUAL POWDER COATINGS



#### Mach-Jet

The unit can be pre-programmed to deliver the exact voltage and powder flow combination to optimize gun performance. It is available in a box and hopper feed design.

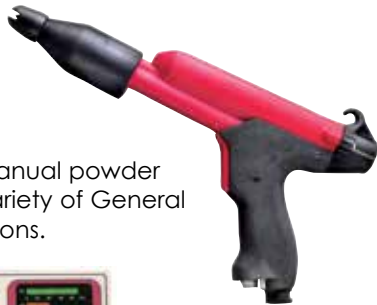


#### Box Feed

e-Jet2 VT – Manual powder box feed unit on a cart with vibrating table which is ideal for numerous color changes.

#### E-Series

The E-Series is a manual powder gun for use in a variety of General Industrial applications.



#### Hopper Feed

e-Jet2 R – Manual powder hopper feed unit on a cart suitable for medium and large production capacity and/or powder coatings which need less vibration.



### AUTOMATIC POWDER COATINGS

#### Auto Mach-Jet & Automatic E-Gun

The automatic E-Gun utilizes the same charging technology as the manual E-Gun. The Auto Mach-Jet is the newest gun in the Sames line. It has an easy to use controller and excellent transfer efficiencies.



#### InoBell

To meet the requirements of companies looking to improve paint savings, SAMES has designed Inobell, the brand new electrostatic powder bell, with high performance, high quality finish and easy integration. It allows the application of powder paint on all types of surfaces with a particular effectiveness on flat surfaces.

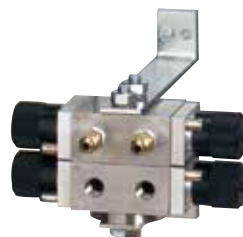


## Leading Edge Manual and Automatic Powder Guns

Whether the application is simple or complex, SAMES has the right solution for the application.

### ACCESSORIES

#### 5 & 55-Gallon Direct & Gear driven Agitator & Elevators



#### Color Change Stacks

The CTM has large fluid circulation passages for delivering multiple colors to a spray station.



#### Moduclean Color Change Stacks

When weight is critical, as in robotic or reciprocator applications, the Moduclean color changer is an ideal choice.

### FLUID REGULATORS

#### Manual Control



2 in 1™



Airmix™  
Golf Top™  
Regulators



#### CPH - Gear Pumps

For applications where the flowrate must be consistent, the CPH gear pumps deliver a consistent flowrate that can be programmed to be up to 2000 cc/min. They are available to pump waterborne, solvent or metallic coatings.

#### Paint Heaters

Ensuring optimum heat transfer with no risk of burning the paint in the heater.

By adding heat, viscosity is reduced. Lower viscosity means atomization pressures can be reduced. The result is higher transfer efficiency and a more consistent finish.

#### Air piloted



PTFE  
Coated



High  
Pressure

One Pass™  
Heater



AD60/61  
Heater



# General Industrial Systems Group

## EXEL North America G.I. Systems Capabilities

EXEL North America provides fully, integrated Systems to the General Industrial, Sealant and Adhesives industry.

### SYSTEMS

EXEL North America's Systems Group is a turn-key systems supplier of painting, fluid handling, and dispensing systems. We have over 50 years of experience with proven installations across the world, and we employ the best in the business when it comes to process expertise and system execution.

EXEL North America's Systems Group utilizes EXEL standard products to provide a turn-key solution that fits your special needs and demands. We invest in Research & Development and design custom solutions that incorporate our technology for you so that you can be as productive as possible. We will review your current finishing and dispense system and offer solutions to optimize them to be as efficient as possible. We believe in our products and our process.



### PROJECT MANAGEMENT

- Coordinate project time line
- Oversee project execution
- Engineering
- Fabrication
- Mod-build testing
- Shipping
- Coordinate installation crew & time line
- Responsible for coordinating system start-up and process
- Coordinate system training
- Provide complete user manual  
- included drawing set

### TRAINING, DEMONSTRATION, VALIDATION AND TESTING LABS

EXEL North America has made significant investments in our (3) testing labs located in Plymouth, MI:

**Automotive &  
Auto Tier Lab**



**Sealant &  
Adhesive Lab**



**Wood & General  
Industrial Lab**



[www.kremlinrexson-sames.com/en/usa/](http://www.kremlinrexson-sames.com/en/usa/)

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