

Range of products



meccanodora



European Grinding Technology



Product Line

- CNC external grinding machines
- CNC internal grinding machines
- CNC combined grinding machines for inner and outer diameters
- High-speed grinding machines with CBN wheels
- Special machines for constant velocity joints
- Special grinding machine for bearings

Since 1961 **Meccanodora** has been manufacturing Production Grinding Machines for the automotive industry, bearings industry and domestic appliance industry.

At present FMT - Unit Meccanodora's manufacturing range includes Grinding Machines as well as Vertical Pick-up-type Machines for Soft & Hard Milling/Turning Operations.

Thanks to the continuous commitment in developing new products FMT - Unit Meccanodora is now one of the few companies in the world capable of providing complete production lines for many automotive components.

FMTGroup's own sales and service and its wide network of branch offices and agents make up a global, efficient sales and service organization.

CONSTANT VELOCITY JOINT

Outer Races

FUTURA

GRINDING OR HARD-TURNING/MILLING OR SOFT-TURNING/MILLING

The machine can be supplied in different configurations depending on the workpiece type (Fixed or Plunging Joint) and application (Grinding or Soft/Hard Turning or Milling). Ball tracks are machined through a "creep-feed" cycle. 1 or 2 milling spindles can be fitted for rough and finish milling. Ball tracks of CG-VL Joints are machined through a vertical straight movement of milling slide without interpolation so as to grant a perfect straightness.



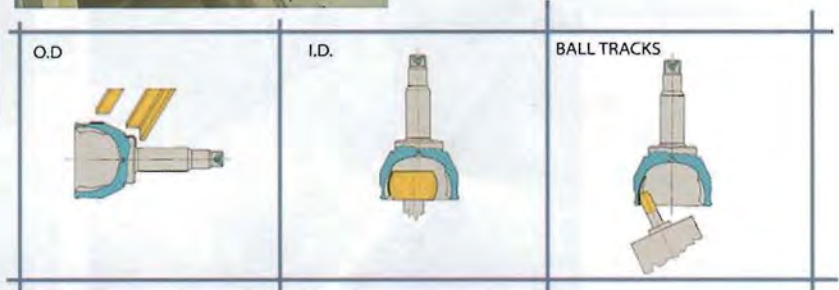
HARD-TURNING/MILLING



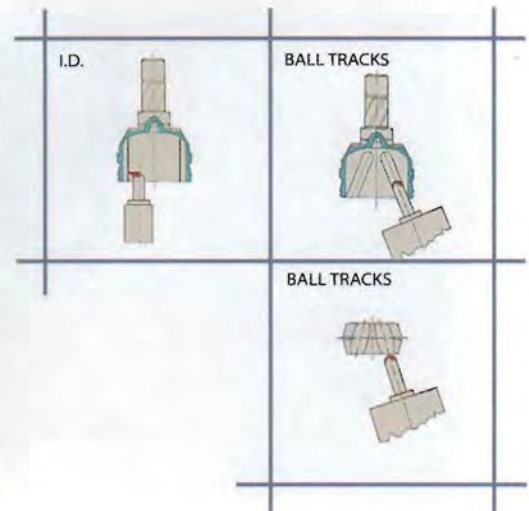
O.D. GRINDER



I.D. GRINDER



Plunging Joints



CONSTANT VELOCITY JOINT

Outer Races



FUTURA

DOUBLE-SPINDLE FUTURA VERTICAL MACHINES

ADVANTAGES:

- Double production
- Higher flexibility thanks to the independent set-up of the 2 working stations
- Independent change-over of the 2 working stations
- Higher machine reliability (in case of trouble in 1 working station the 2nd one can continue to produce)
- Higher accessibility to the working area with reduced maintenance times.



CONSTANT VELOCITY JOINT

Inner Races



O.D. GRINDER

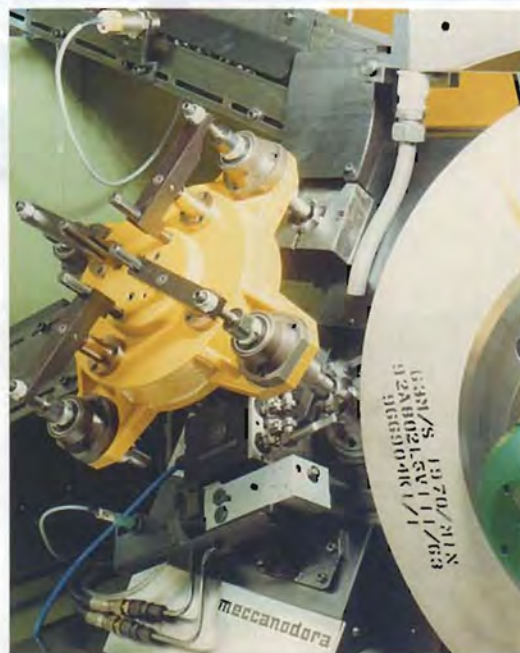
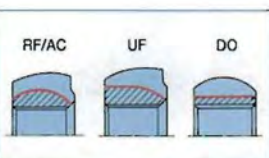


SINGLE OR DOUBLE SPINDLE GRINDER



BALL TRACK GRINDERS

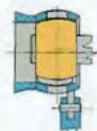
for RF/AC, UF, and DO Tracks Profiles.



O.D. GRINDER



I.D. GRINDER



Cage



WINDOW GRINDER

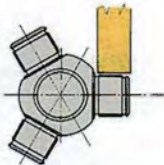


CONSTANT VELOCITY JOINT

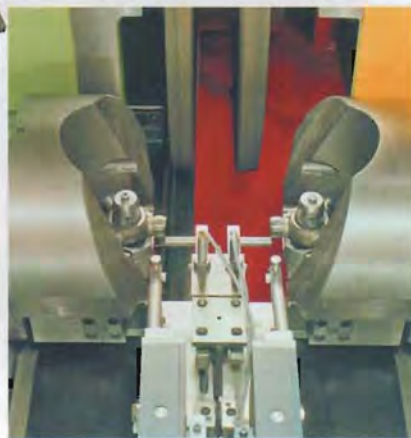
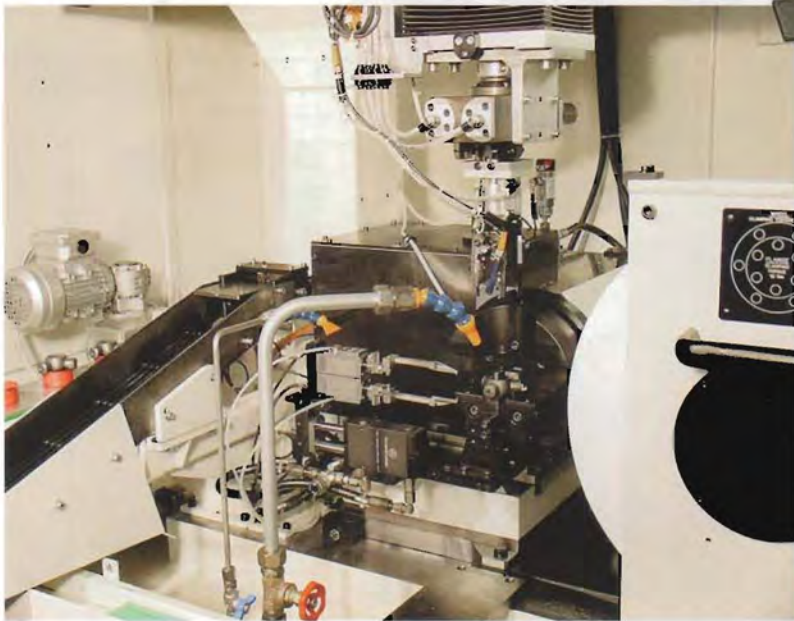
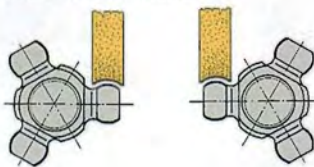
Tripod



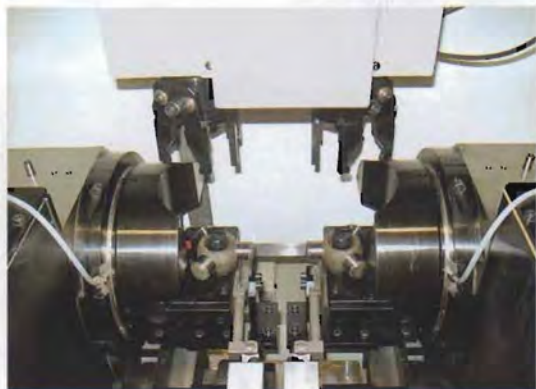
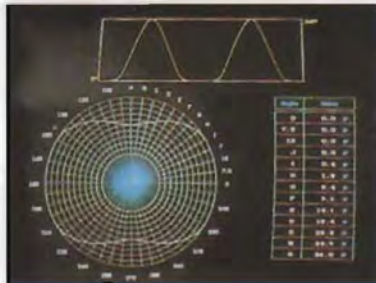
SINGLE SPINDLE GRINDER



DOUBLE SPINDLE GRINDER



TRIPOD JOURNAL WITH
"OPTIMUM PROFILE"



AUTOMOTIVE

Gears

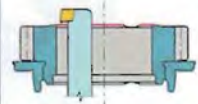
VERTICAL

FLEXIBLE MACHINE CENTRE for HARD-TURNING & GRINDING

- Pick-up-type motor-driven spindle
- Turning station
- Bore grinding station
- Cone grinding station



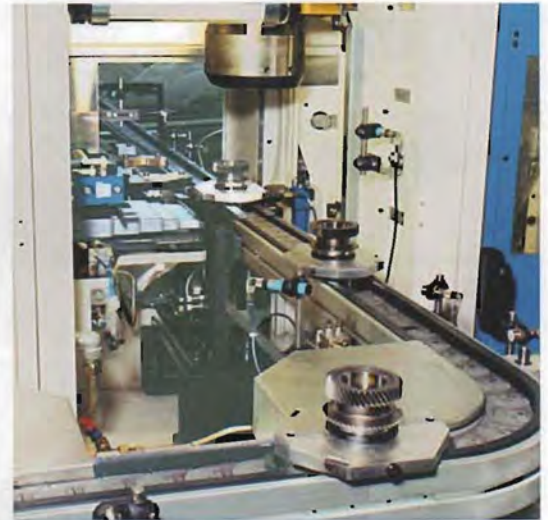
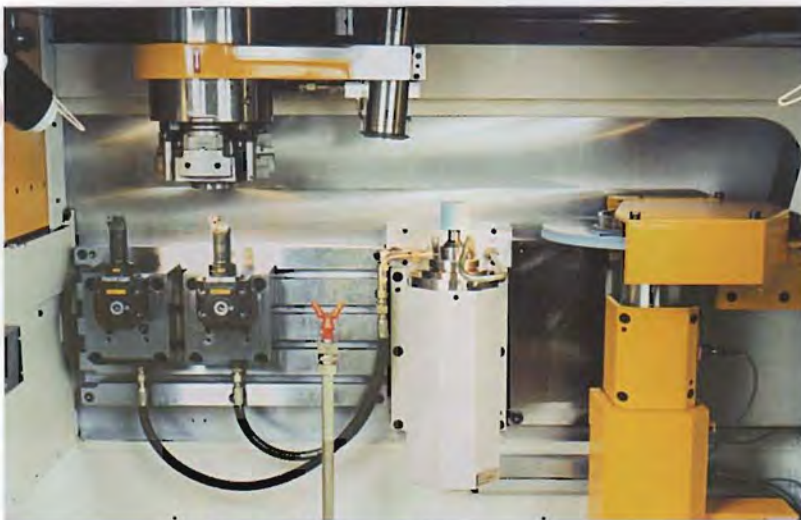
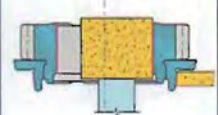
REAR FACE TURNING



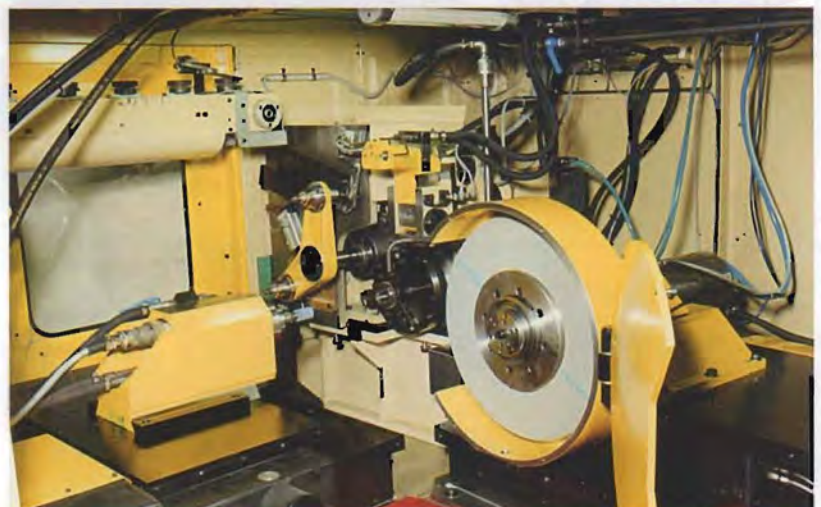
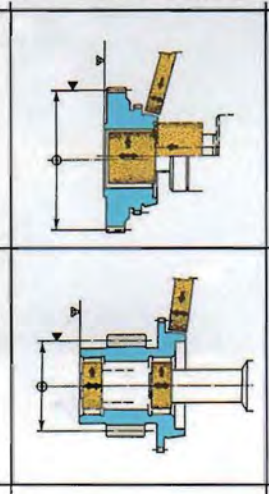
INTERNAL TURNING - FRONT
FACE TURNING - CONE TURNING



SIMULTANEOUS BORE AND
CONE GRINDING



O.D. & I.D. GRINDER



AUTOMOTIVE

Gears



VERTICAL ZERO

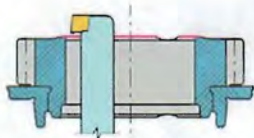
FLEXIBLE MACHINE CENTRE for HARD-TURNING & GRINDING

ADVANTAGES:

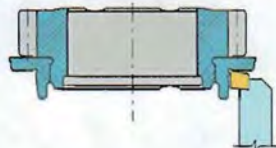
- Monolithic polymer granite machine bed
- Modular configuration with loading/unloading from left or right sides
- Small machine dimension
- CNC-controlled turret with 6 tool holders
- CNC-controlled swivelling axis for grinding spindles
- Superabrasive or CBN wheel



REAR FACE TURNING



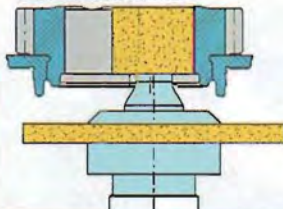
CONE TURNING



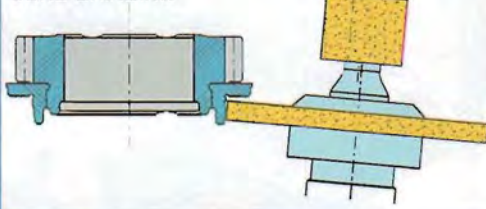
INTERNAL TURNING - FRONT
FACE TURNING



BORE GRINDING



CONE GRINDING

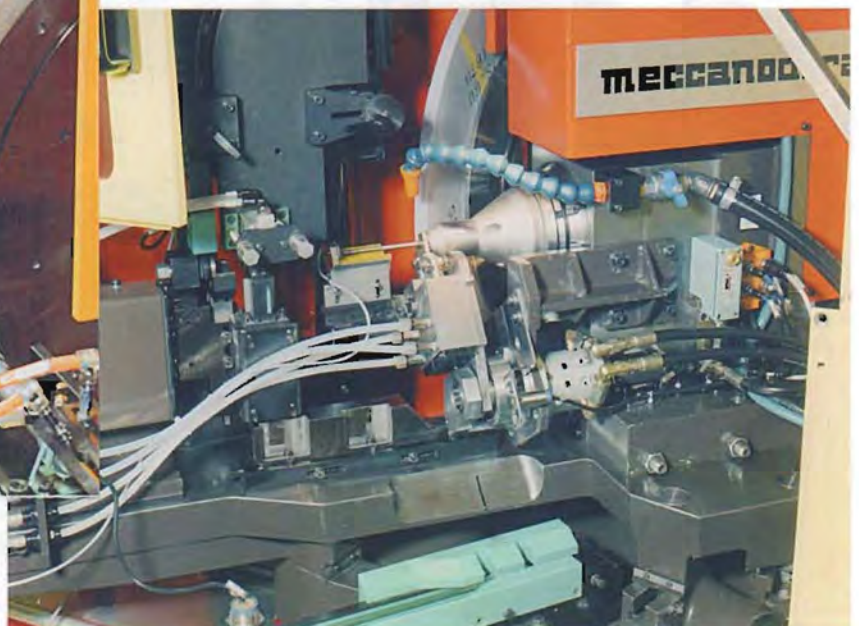
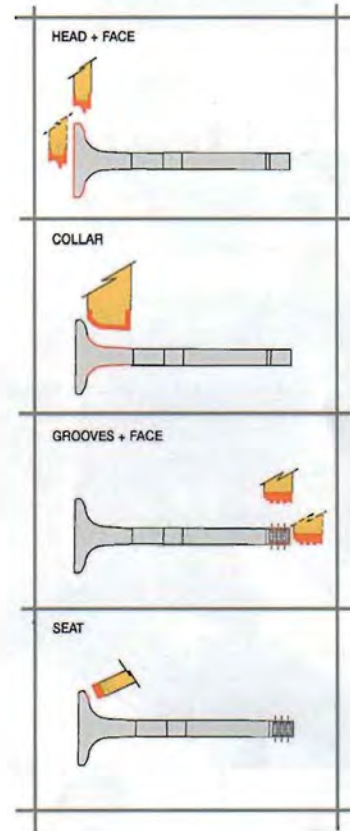


AUTOMOTIVE

Engine Valves



HIGH-SPEED GRINDING MACHINE FOR ENGINE VALVES

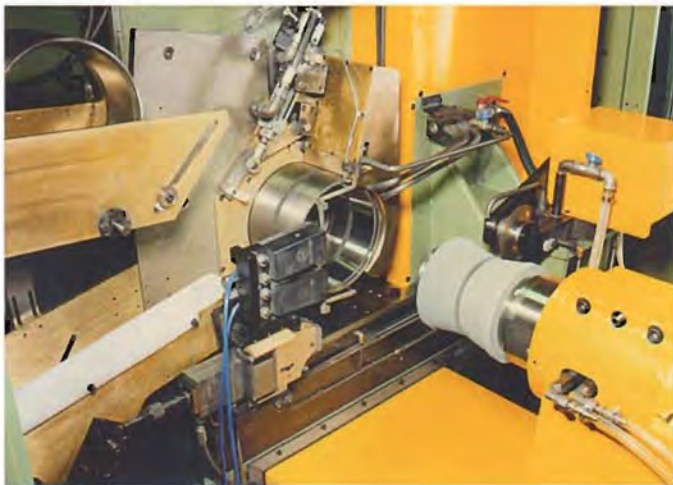
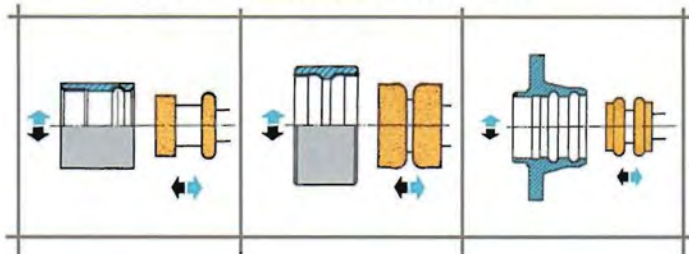


BALL AND ROLLER BEARINGS

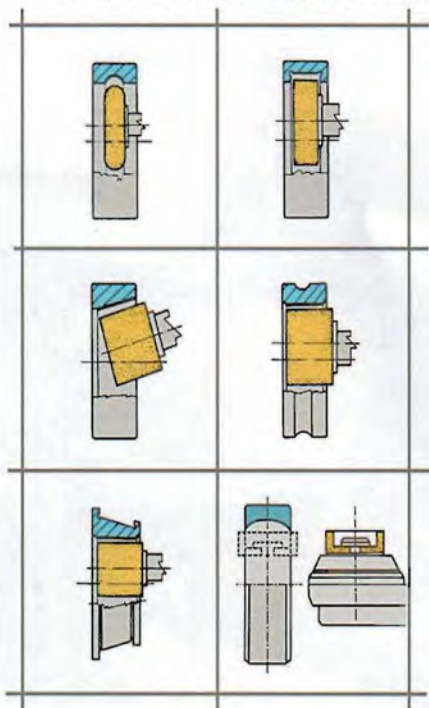
Bearings



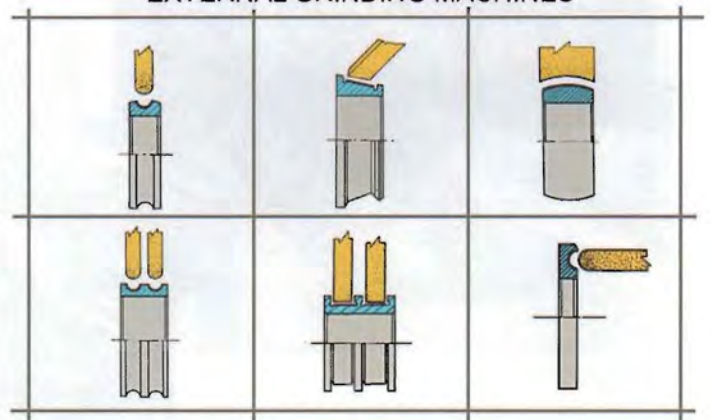
INTERNAL GRINDING MACHINES



INTERNAL GRINDING MACHINES



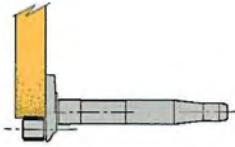
EXTERNAL GRINDING MACHINES



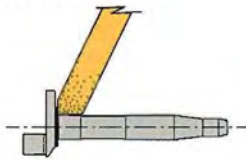
REFRIGERATOR COMPRESSOR

Crankshaft and Piston

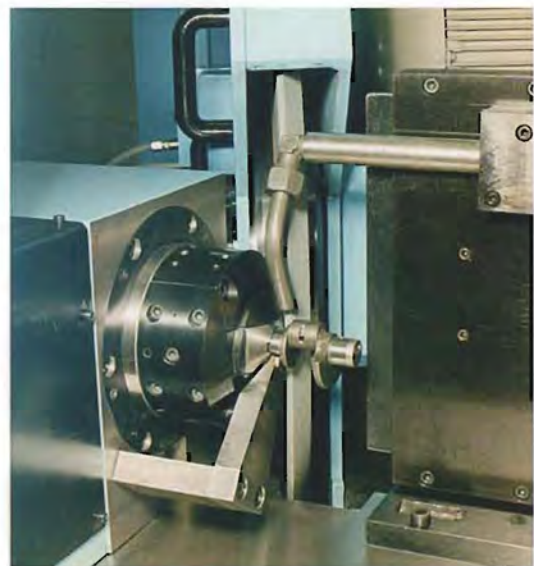
ECCENTRIC PIN



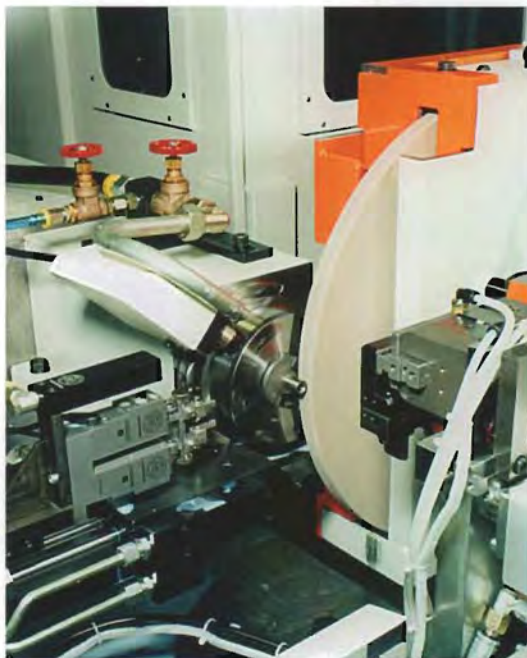
THRUST FACE



GRINDING MACHINE FOR ECCENTRIC PIN



GRINDING MACHINE FOR THRUST FACE



GRINDING MACHINE FOR PISTON SKIRT



FANRETTO

meccanodora

Cimat

NORTH AMERICA
1-800-862-7362

MARENA
433 School Street
East Hartford, CT 06108



PHONE (860) 528-9701
FAX (860) 528-3995