

This electrolytic polisher makes it easy to polish and etch even the most difficult specimens where traditional methods prove to be challenging. Pultrol is available in both a tabletop version and a portable version. This machine consists of a power supply and programming unit that controls the polishing and etching of the specimen. The control unit incorporates the programming/monitoring functions for polishing, etching, voltage, current, time and electrolyte flow. The machine is supplied with a set of fundamental electrolytes.

Technical Specifications	PULITROL
Polishing	0-120V a 0-10A
Etchant	0-20V a 0-5A
Power supply	220V / 50Hz
Power max. (W)	1200
Timer (sec.)	0-60
Weight (kg)	30
Dimensions (mm): W	500
D	300
H	200



Mechanical Automatic Systems

These simple automatic systems can be mounted on any polisher and allows the economic preparation of several metallographic specimens at the same time.

Force supplied by a preloaded spring:

Force is supplied by an adjustable spring applying pressure to the sample holder.

These automatic systems can be used for preparing specimens of any shape, size and material.



MINIMO Portable Polisher

Portable grinding and polishing machines for on-site non-destructive metallographic preparation.

Technical Specifications	MINIMO
Disc diameter (mm)	32
Power supply	220V / 1-phase
Handle	90°
Handle power supply	Low voltage
Handle speed (rpm)	1400÷14200



COMPUPLAN

Powerful and fast plane grinding machine for pre-grinding of metallographic and spectrographic samples. Using this machine, sample preparation time and cost can be remarkably decreased. It drastically reduces the subsequent grinding and polishing time and allows to save consumables.

Technical Specifications	
Grinding stone dimensions (mm)	d.365 x 55
Abrasive belt (mm)	115
Power of grinding stone motor (kW)	3
Grinding stone speed (rpm)	1500
Grinding stone stop	Magnetic brake
Max. diameter sample holder (mm)	200
Sample holder speed (rpm)	150
Sample holder rotation	Bi-directional
Power sample holder motor (kW)	0,25
Max. working pressure (bar)	6
Working force (N)	200÷700
Cooling system	Recirculation system
Power pump motor (kW)	0,12
Weight (kg)	250
Dimensions (mm): W	600
D	775
H	1440



Technical Furniture

Modular technical furnishing systems to create work benches of any dimension. Modular components are available with internal shelves, drawers, sinks, angular cabinets, and with different heights to be used as workbenches or desks. This furniture is manufactured with sturdy fireproof and waterproof panels and scratch resistant laminate or tiled worktops are available.



MULTIFUNCTIONAL CABINET.

Used as a metallographic samples storage cabinet with plastic containers for 30 to 50 mm samples. Without the plastic containers it can be used for a variety of purposes.



Thin Sections

This system allows the preparation of very thin sections, and allows the operator to section a specimen to a desired thickness. It consists of:

- Variable low speed polisher LS2 or LS3V (0-150 rpm)
- Precision thinning device with micrometric thickness control and vacuum holder for specimens or glass slides.
- Vacuum impregnation apparatus (necessary for brittle and porous materials)
- Vacuum pump
- Black granite surface plate with dial gauge

This system, having the micrometric thinning adjustment, is useful for preparing flat plane-parallel specimens within a few micron tolerance and for thinning samples to a desired thickness for stratigraphic analysis.



Metallographic Consumables

REMET offers a wide range of standard and special consumables for your sample preparation needs:

- Abrasive Cut-off wheels and diamond abrasiv wheels
- Abrasive grinding discs with or without self adhesive backing
- Polishing cloths
- Diamond paste, diamond spray, diamond suspensions
- Diamond discs for grinding and polishing
- Alumina and OPS for lapping
- Cold and hot mounting resins
- Etchants
- Collections of metallographic samples, atlases and specialistic books.



The range of consumables is increased by a new family of innovatory products, that drastically shortens the metallographic preparation time by reducing the number of steps and the changing time, thanks to the great operating life and the possibility of magnetic backing products.

- Diamond disks for fast grinding
- Pre-polishing discs to be used with diamond sprays