

Kemet



Servocut A400 Automatic Cut Off Machine

Specification

The Servocut A400 is a floor mounted, microprocessor controlled, precision cut off machine, with manual chop cutting and automatic table feed systems. It has digital positioning of the specimen in X,Y and Z axis with an accuracy of 2 microns (X axis optional). It has cutting capacity of 130/150mm with cut off wheel diameter of 350/400mm. The cutting force and the cutting feed rate can be selected from the front touch pad.



Servocut A300 Automatic Cut Off Machine

Specification

The Servocut A300 is a medium size, bench top, microprocessor controlled cut off machine, with manual chop cutting and automatic table feed systems. It has digital positioning of the specimen in X and Y axis with an accuracy of 2 microns (X axis optional) and manual positioning Z axis. Cutting force and cutting feed rate can be selected from the front touch pad.

Metapress-A Automatic Hot Mounting Press

Specification

The Metapress A is a cost effective automatic digital hot mounting press using hydro-pneumatic pressure and microprocessor control technology. It is fully automatic and suitable for all current hot mounting materials used in materialography. A user friendly touch pad controls mounting parameters, providing high productivity with last parameter settings being retained in the memory.





Geoform Thin Section Cutting and Grinding Machine



Specification

The Geoform is a precision then sectioning machine for mineralogy, combining cutting and grinding functions. With the cutting module, using Diamond or CBN wheels up to 200mm diameter, the specimen is mounted on the holder by way of a vacuum and sectioned to a thickness of approx 0.5 micron. Water cooling avoids deformation.

The grinding module is designed for precision grinding. A universal vacuum holder accepts different sizes of glass slides by changing the location pins. A vacuum pump delivered as standard holds the glass slide fixed on the holder during the grinding process. A built-in digital micrometer ensures high precision and the specimen is ground with an accuracy of microns.

Micracut 125/150/175/200

Specification

Micracut precision cutters are used for precise and deformation-free cutting of Metals, Ceramics, Electronic Components, Crystals, Composites, Biomaterials, Sintered Carbides, Minerals etc. and are ideal for Metallurgical, Geological, Biomedical and Industrial Laboratories. The applications are endless.

Micracut family of precision cutters are available in 4 different versions:

Micracut 125 - Low Speed Saw

Micracut 150 - Precision Low Speed Saw

Micracut 175 - High Speed Linear Precision Cutter

Micracut 200 - High Speed Table Feed Precision Cutter





Forcipol 1V Grinder & Polisher

Specification

Forcimat preparation systems are suitable for all metallographic applications such as grinding, lapping and polishing. The Forcipol 1V Grinder and Polisher has a variable speed between 50-600 rpm. It is suitable for both manual and automatic operation.

Forcipol 2V Grinder & Polisher

Specification

The Forcipol 2V Grinder and Polisher has two platens with variable speed range between 50 and 600 rpm. One disc can be used for grinding while the other disc can be used for polishing. Forcipol 2V is ideal for laboratories which have a wide variety of samples to process.



Forcipol Specifications

Order No.	Models	No. of Stations	Motor(s)	RPM	Wheel Diameter	Dimensions (mm)	Weight (kg)
36 01	Forcipol 1	1	0.75 HP, 220 V 50 Hz., 1 pH	300	200/250 mm	380 x 690 x 340	29
36 02	Forcipol 1 V	1	0.75 HP, 220 V 50 Hz., 1 pH	50-600 Var.	200/250 mm	380 x 690 x 340	30
36 03	Forcipol 1 E	1	0.75 HP, 220 V 50 Hz., 1 pH	20-120 Var.	200/250 mm	380 x 690 x 340	30
36 04	Forcipol 1 S	1	0.75 HP, 220 V 50 Hz., 1 pH	100-1200 Var.	200/250 mm	380 x 690 x 340	30
36 05	Forcipol 1 M	1	1.0 HP, 380 V 50 Hz., 3 pH	150/300	200/250 mm	380 x 690 x 340	29
36 06	Forcipol 300-1V	1	1.0 HP, 220 V 50 Hz., 1 pH	50-600 Var.	300 mm	420 x 730 x 350	37
36 08	Forcipol 2	2	0.75 HP, 220 V 50 Hz., 1 pH	300	200/250 mm	700 x 690 x 340	39
36 09	Forcipol 2 V	2	0.75 HP, 220 V 50 Hz., 1 pH	50-600 Var.	200/250 mm	700 x 690 x 340	40

Wheels, Splash Guards, Paper Ring and Covers are extra. (Please choose from list below).

Accessories	
Order No.	200 mm Application
31 01	PVC Wheel, 200 mm
31 02	Aluminium Wheel, 200 mm
31 53	Splash Guard, 200 mm
31 04	Paper Ring, 200 mm
31 06	Cover, 200 mm

Accessories	
Order No.	250 mm Application
31 21	PVC Wheel, 250 mm
31 22	Aluminium Wheel, 250 mm
31 63	Splash Guard, 250 mm
31 24	Paper Ring, 250 mm
31 06	Cover, 250 mm

Accessories	
Order No.	300 mm Application
31 31	PVC Wheel, 300 mm
31 32	Aluminium Wheel, 300 mm
31 73	Splash Guard, 300 mm
31 34	Paper Ring, 300 mm
31 36	Cover, 300 mm



Forcipol 300-1V Grinder & Polisher with Forcimat head

Specification

The Forcimat Automatic Head, microprocessor controlled, pneumatically adjustable individual force loading system, upto 6 specimens, front panel with touch-pad controls, specimen holder rotating at 120 rpm, 60 Watt DC motor, quick-locking swing mounted design, audible warning signal, communication capability with all Forcipol instruments, steel mounting column and with one standard drip lubricator, complete and ready for operation.



Digiprep 250/300

Specification

Digiprep preparation systems are designed for fully automated sample preparation with consistent and reproducible results. The Digiprep head accurately controls the force applied so samples are prepared the same way every time, independent of operator skills.

Preparation programmes can easily be stored on the LCD screen. Efficiency is further increased by adding a Dosimat Peristaltic Dispensing system for accurate consumable usage.



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Spectral PG

Specification

The Spectral PG is a compact bench-top Pendulum Grinder for fast grinding of iron and steel samples for spectroscopic analysis. It has a simple and reliable design with low noise and dust generation levels. It is completely enclosed and dustproof with Halogen spot light. The front cover can be completely opened for easy access to all sides.

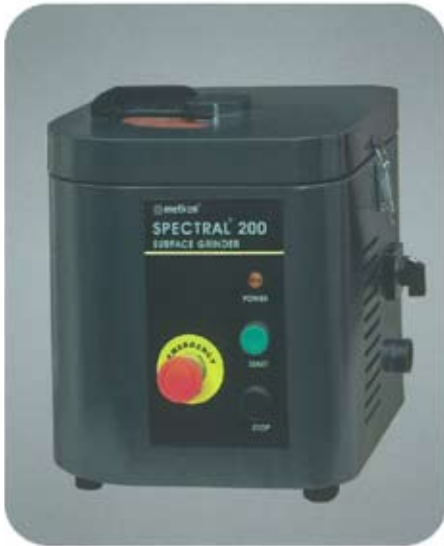


Spectral MM

Specification

The Spectral MM is an automatic milling machine for fast milling of ferrous and non-ferrous materials for emission and X-ray spectrometer analysis. Automatic fine surface milling guarantees the highest level of reproducibility through automatic processing of the specimen. The Spectral MM has a reliable and robust design with low noise and emission levels. It has easy access to all sides.





Spectral 200

Specification

The Spectral 200 is a table-top portable surface grinder for the preparation of steel samples for Spectroscopy. A compact design with vibration free operation makes it a practical instrument to work with. Low noise and dust generation levels as well as standard outlet for dust exhauster are additional advantages.



The 200 mm dia Drive Plate is dynamically balanced for smooth running. As grinding discs are held on the plates by vacuum they do not need to be self adhesive. 40 to 120 grit discs can usually be used to obtain the desired surface quality. The Spectral 200 is equipped with an electronic brake system which brings the motor to a quick full stop in seconds.

Spectral 350

Specification

The Spectral 350 Dual Disc grinder is used to achieve excellent precision flat surfaces on iron and steel specimens for Spectroscopic Analysis. The robust and vibration-free construction has been designed for continuous operation at high sample throughput.

The Spectral 350 has 2 independently driven 350mm dia plates. These are dynamically balanced for smooth running. Speeds can be set at 1400 or 2800 rpm so coarse and fine grinding can be done on the same machine. Abrasive discs are fixed to the plates by vacuum they do not need to be self adhesive. They are easy to replace and the full width of the disc can be used.

A strong Aspiration Device (Blower) unit is available as an accessory with easily replaceable filter. This creates a dust free working environment. Both plates are covered half way by a lid which allows grinding in just one area for operator safety and comfort.

The Spectral 350 is also equipped with a breaking device which brings the plates to a rapid stop. The machine is fitted with safety interlocks which do not allow the lid to be opened before the motors are stopped.

