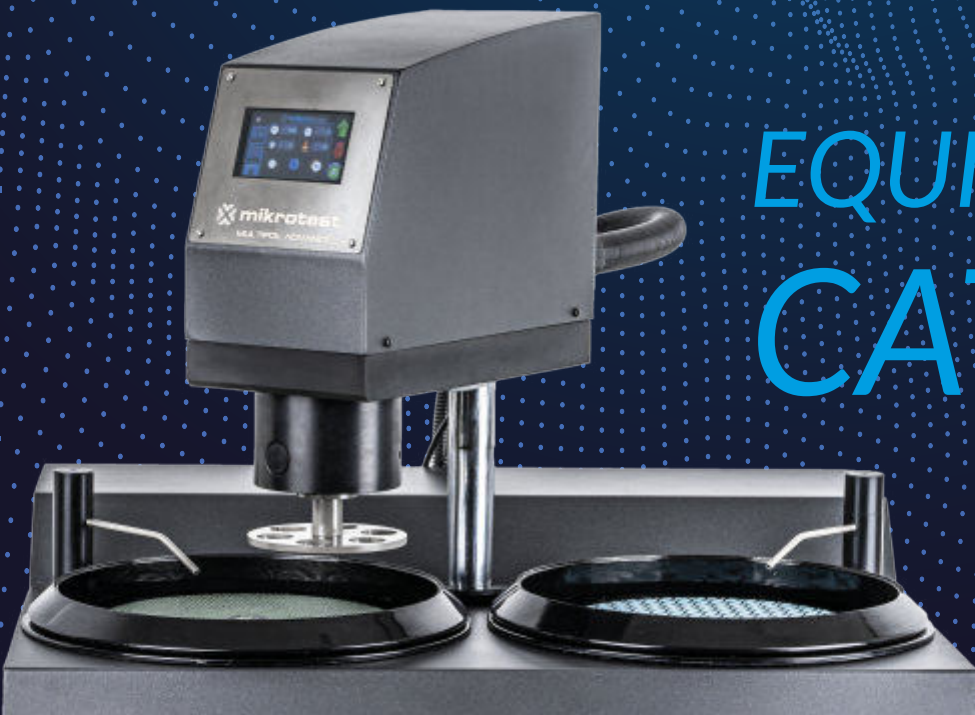




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**EQUIPMENT
CATALOG**





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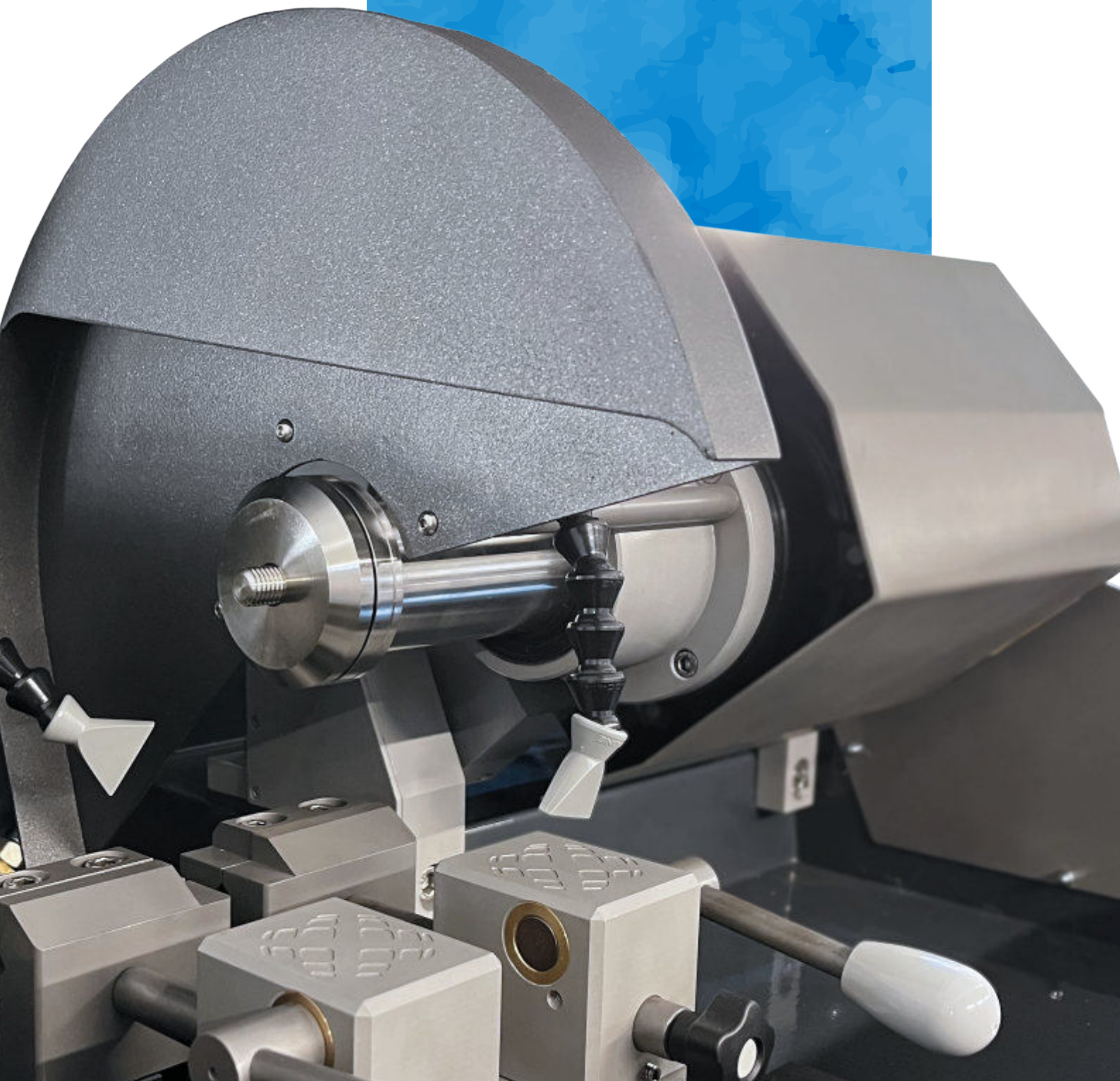
REVEAL THE SECRETS OF MATERIAL



CUTTING

Cutting, the first step of metallographic sample preparation process, should be performed without deforming the sample surface.

A correct cut significantly reduce the time spent for the grinding and polishing steps. In order to achieve this, we have to make sure that a good cooling system is in place and that we have the appropriate cut-off wheel for the sample.



MULTICUT EASY & EASY PLUS

Metallographical Sample Cutting Machine

Multicut Easy is a manual cutting machine used in metallographical sample preparation which allows you to obtain a high quality sample surface. The Multicut Easy Plus option, on the other hand, allows you to precisely cut your large samples in one go, thanks to its movable table.

- | Powerful motor specially produced for cutting operations
- | Special anti-corrosion coating for inner cutting chamber
- | Fast cooling and easy cleaning thanks to the powerful water pump
- | IP67 certified control panel that is not affected by water and dust



/ SPECIFICATIONS

Ø305 mm

Cut-off Wheel

Ø115 mm

Max. Cutting
Capacity

3 kW

Motor Power

/ PRODUCT DETAILS



/ TECHNICAL SPECIFICATIONS

Motor Rotation Speed

2800 rpm

Table Dimensions

295x285 mm

T-Slot Dimension

10 mm

Disc Kit

32 ve **12.7** mm

Water Pump

30 Liter/min

Table Movement Range

225 mm*

Dimensions (w x d x h)

675x695x550 mm

Weight

125 kg

Power Supply

380V
50/60 Hz

*Multicut Easy Plus

MULTICUT SENSE

Automatic Precision Cut-off Machine

Multicut Sense is an automatic cutting device used in metallographic sample preparation and you can obtain the most sensitive surfaces. With its 4.3" color touch screen, all parameters are easy to identify and control.

- | Precise table movement with servo motor system
- | Powerful motor specially produced for cutting operations
- | Special anti-corrosion coating
- | Fast cooling and easy cleaning thanks to the powerful water pump



/ SPECIFICATIONS

Ø200 mm

Cut-off Wheel

Ø74 mm

Max. Cutting
Capacity

3 kW

Motor Power

/ PRODUCT DETAILS



/ TECHNICAL SPECIFICATIONS

Motor Rotation Speed

500~2800 rpm

Table Dimensions

295x285 mm

Program Memory

15 Records

Disc Kit

12.7/22 mm

Cutting Modes

Straight Cut
Balanced Cut

Variable Table Speed

0-5 mm/s

Dimensions (w x d x h)

670x695x460 mm

Weight

125 kg

Power Supply

380V
50/60 Hz

MOUNTING

Mounting is a process that greatly simplifies metallographic sample preparation processes. It offers advantages such as supporting the sample surface, combining multiple samples in one mold, adapting the samples to the sample holders by converting them into a uniform size.



MULTIMOUNT EASY

Hot Mounting Machine

The Multimount Easy is an automatic mounting device for metallographic sample preparation. It eliminates some routine maintenance costs with its pneumatic pressure system. Meet the fastest molding times in its class thanks to its special mold design.

- | Fast results with powerful heating and cooling system
- | Quarter turn lockable safety cover system
- | Method memory for different bakelite powders
- | Ease of use: Touch panel control over icons



/ SPECIFICATIONS

220 °C

Maximum
temperature

1950 daN

Pressure

25 Records

Program Memory

/ PRODUCT DETAILS



/ TECHNICAL SPECIFICATIONS

Mount Options

Ø25-30-40mm

Mounting Durations

Ø25 ~ 4 min
Ø30 ~ 5 min
Ø40 ~ 8 min

Control

Color Touch Panel Screen

Pressure System

Pneumatic

Cooling Options

**Fast
Medium
Slow**

Temperature Sensor

PT 100

Dimensions (w x d x h)

370x545x430mm

Weight

35kg

Power Supply

**200-240V
50/60Hz**

GRINDING & POLISHING

In order for the materials to be subjected to tests such as microstructure examination and hardness measurement, they must go through metallographic grinding and polishing. At this point, depending on the type of material, the consumables to be used vary in order not to spoil the structure of the material. In order to achieve the best results, it is important that both the consumables and the device to be used are of a quality that will provide reproducible results.



MULTIPOL EASY & EASY PLUS

Manual Grinder - Polisher

Multipol Easy is a manual grinding and polishing device that can offer you the best quality in the most economical way for your routine metallographic sample preparation processes.

Multipol Easy Plus, on the other hand, is a manual grinding and polishing device with a touch control panel that will allow you to obtain perfect surfaces even in inexperienced hands thanks to its pressure control display.

- | Single or dual disc design
- | Easy cleaning thanks to extendable and flow-adjustable taps^^
- | Quick setting for 150 and 300 rpm
- | Excellent results even in manual preparation with the display of applied pressure in Newtons^^



^^Multipol Easy Plus

/ SPECIFICATIONS

50-650 RPM

Rotation Speed

AC/0.75 KW

Motor (disc)

IP67

Control Panel

/ PRODUCT DETAILS



/ TECHNICAL SPECIFICATIONS

Working Disc Options

Ø200/250/300mm

Disc Rotation Direction

**Single Direction
Both Directions**

Control System

**Analog[^]
Color touch panel^{^^}**

Dimensions (w x d x h)

585x695x260mm *
760x695x260mm **

Weight

45kg *
75kg **

Power Supply

200-240V
50/60Hz

*Single Disc

**Double Disc

[^]Multipol Easy

^{^^}Multipol Easy Plus

MULTIPOL ADVANCED PLUS

Automatic Grinder - Polisher

Multipol Advanced Plus is an automatic grinding and polishing device used in metallographic sample preparation. Thanks to its servo technology, it allows you to achieve excellent results even in the most difficult samples.

- | Single or dual disc design
- | Easy cleaning thanks to extendable and flow-adjustable taps
- | Optional dosing system
- | The sample holder unit can be used for sensitive coatings that need to be prepared on one side while remaining stable during operation.
- | Self cleaning basin system



/ SPECIFICATIONS

50-650 RPM

Rotation Speed

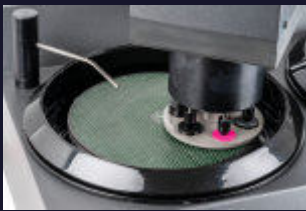
0-200 RPM

Head Speed

10-60 N

Pressure Force

/ PRODUCT DETAILS



/ TECHNICAL SPECIFICATIONS

Disc Options

Ø200/250/300mm

Sample Capacity

6xØ40-25mm
3xØ50mm

Control

Color touch panel

Rotation direction

Both direction

Motor (disc)

AC/0.75kW

Motor (head)

Servo/0.75kW

Dimensions (w x d x h)

585x695x700mm *
760x695x700mm **

Weight

95kg *
120kg **

Power Supply

200-240V
50/60Hz

*Single Disc ————— **Double Disc

MULTIPOL SENSE

Fully Automatic Grinder-Polisher

Multipol Sense is a fully automatic grinding and polishing device that offers the most innovative solutions in all processes of metallographic sample preparation, thanks to its superior technological equipment.

- | Single or dual disc design
- | Easy cleaning thanks to extendable and flow-adjustable taps
- | Automatic dosing system
- | Program memory for sample preparation methods of different materials
- | Self cleaning basin system



/ SPECIFICATIONS

50-650 RPM

Disc Options

5 Pumps

Automatic Dosing

0-200 RPM

Head Speed

15 Record

Program Memory

10-60^N

Pressure Force

28 ml/min

Max. Dosing Rate

/ PRODUCT DETAILS



/ TECHNICAL SPECIFICATIONS

Disc Options

Ø200/250/300mm

Sample Capacity

6xØ40-25mm
3xØ50mm

Control

Color touch panel

Rotation direction

Both direction

Motor (disk)

AC/0.75kW

Motor (head)

Servo/0.75kW

Dimensions (w x d x h)

585x695x720mm *
760x695x720mm **

Weight

95kg *
120kg **

Power Supply

200-240V
50/60Hz

*Single Disc **Double Disc



Yalı Mah. Mareşal Fevzi Çakmak Cad.
No: 50/1 K. 3 34844
Maltepe / İstanbul / TR

T: +90 216 577 69 09
F: +90 216 577 69 06
www.mikrotest.com.tr

