

METACUT 250®

Micro Star 2000, inc.

METACUT 250°, the ideal manual abrasive cut-off machine for metallographic samples. A state of the art cutter for small and medium sized laboratories.

- **Compact and Powerful ...**
- **90 mm (3.5") Cutting Capacity ...**
- **Economical ...**

Compact and Ergonomic Design

Electronic brake system included as standard

Fitted with a T-slotted table

Heavy duty light alloy base casting

Corrosion proof glass reinforced plastic hood

Large viewing window for observing the cutting process

Illuminated Cutting Chamber

Safety switch interrupts power when the protective hood is open

Design

A powerful 4HP motor is combined with a rocker arm mechanism which is balanced via counter spring to provide cutting feel to the operator. The cut-off wheel is directly mounted on the motor shaft which rotates at 2800 rpm.

The electronic brake system which is included as a standard item, brings the cutter to a full stop in seconds after it has been switched off.

The bottom part of METACUT 250° is a large rugged alloy base casting that assures rigidity when mounted on the steel frame. All electrical components and the electronic brake system are housed in this robust frame. The complete system is enclosed in a stylish fibreglass reinforced plastic protective hood which minimizes the cutting noise and limits the maintenance to simple cleaning. The cutting compartment is illuminated by a 12 volt sealed lamp and the protective hood is equipped with a gas spring to hold it open. When the hood is raised, the safety switch stops the motor immediately.



METACUT 250° shown with optional floor cabinet.

Clamping Devices (optional)

METACUT 250° can cut samples up to 90 mm (3.5") diameter. To secure the sample, METACUT 250° can be equipped with a variety of clamping devices mounted on two T-slotted tables to create great flexibility in clamping the specimen. It is possible to accommodate samples with cross-sections up to 60x100 mm.

Cooling System

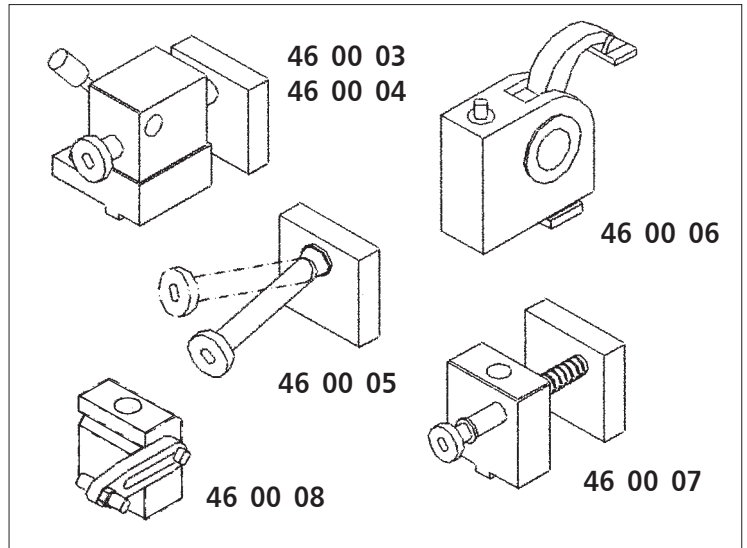
The re-circulating cooling system is a standard part of METACUT 250°. The cutting surface is cooled by two spray nozzles whose water jets hit both the cutting wheel and the specimen. This provides an efficient cooling of the sample and prevents the overheating of the surface structure.

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All specifications are subject to change without notice.



METACUT-A250® automatic cutter



Optional Clamping Devices.

Ordering Specifications:

- Order No: 46 00 00 METACUT-M250® Abrasive cut-off machine with electronic brake unit and with re-circulating cooling system. LESS Clamping devices (choose from list).
- Order No: 47 00 00 METACUT-A250® Automatic cutter.
- Order No: 55 00 20 METACUT® Cabinet for floor model

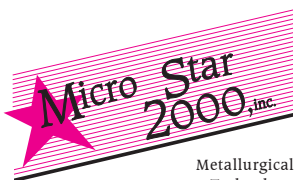
Optional Clamping Devices and Accessories:

- Order No: 46 00 03 Quick Acting Clamping Vice, right
- 46 00 04 Quick Acting Clamping Vice, left
- 46 00 05 Clamping Jaw with Ball Joint (requires 46 00 03 and/or 46 00 04)
- 46 00 06 Vertical Clamping Device (MBU 1031)
- 46 00 07 Spring Loaded Compact Vice Assembly
- 46 00 08 Adjustable Mechanical Stop

Technical Data:

- Max. Cutting Capacity: 90 mm diameter solid stock. (3.5")
65 x 130 mm rectangular cross-section. (2.5" x 5")
- Max. diam. of wheel: 250 mm (10")
- Motor 3550 rpm: 220/440 V., 60 Hz., 3 ph. (Specify)
- Cooling water tank: 80 litre
- Dimensions: 740 mm W x 680 mm D x 520 mm H (28.75" W x 34.5" D x 52.5" H)
- Weight: 105 kg (231 lbs.)

Please state mains voltage.



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