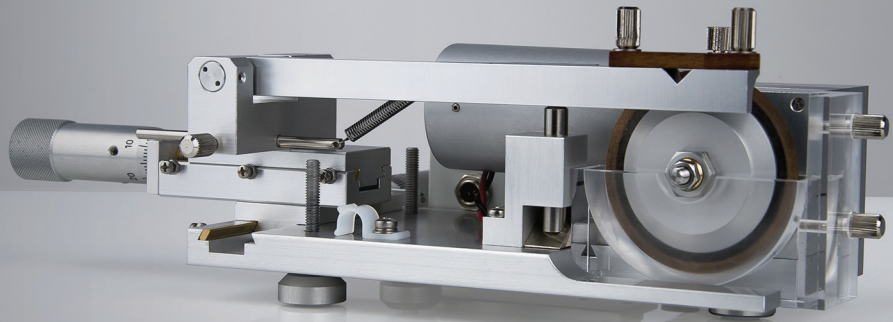


MICROSAW

Precise cutting
under stereo microscope
Model MS 3

Precise
Small
Easy-to-use



APPLICATION

Microsaw is a small versatile diamond wheel saw to be mounted under a standard laboratory microscope. The precision offered by such an optical alignment makes Microsaw ideal for cutting and sectioning required during the TEM sample preparation. Due to the compact design and easy operation Microsaw allows the user to cut almost any solid material reproducibly and rapidly prior to thinning for TEM. Thin ceramic and semiconductor materials, hard metals can be further sectioned with 0.01 mm accuracy.

OPERATION

The Model MS 3 Microsaw is driven by an electric motor through a helical transmission. The 12 V DC is provided by the power supply subunit. The speed at which the wheel turns is continuously adjustable. Adjustment of the specimen position, arm contact point, arm tension and the downstop control mechanism is possible. Two adjustment screws at the bottom of the instrument allow positioning of the stand and leveling the Microsaw underneath the stereoptical microscope for precision sectioning.

SPECIFICATIONS

- Power input 12 V DC, 1.5 A
- Power consumption 18 W
- Dimensions 260 x 150 x 80 mm
- Diamond wheel
 - Type AC32 63/50
 - Dimensions 50 mm diameter, 0.17 mm thick
- Max. sample size ~ 10 x 10 mm
- Speed range 35 - 410 rpm
- Min. slice thickness ~ 100 microns

SYSTEM CONFIGURATION

- Switching Power Supply
 - Input power 100-240 V, 50-60 Hz
 - Output power 12 V, 30 VA
- Microsaw device including 1 diamond wheel

SPARE PARTS

- Diamond wheel (Part No.: MS-DW)