

The Hacker MR3 Series Microtome



**HIGH SPEED
MOTORIZED
RETRACTING
MICROTOME**

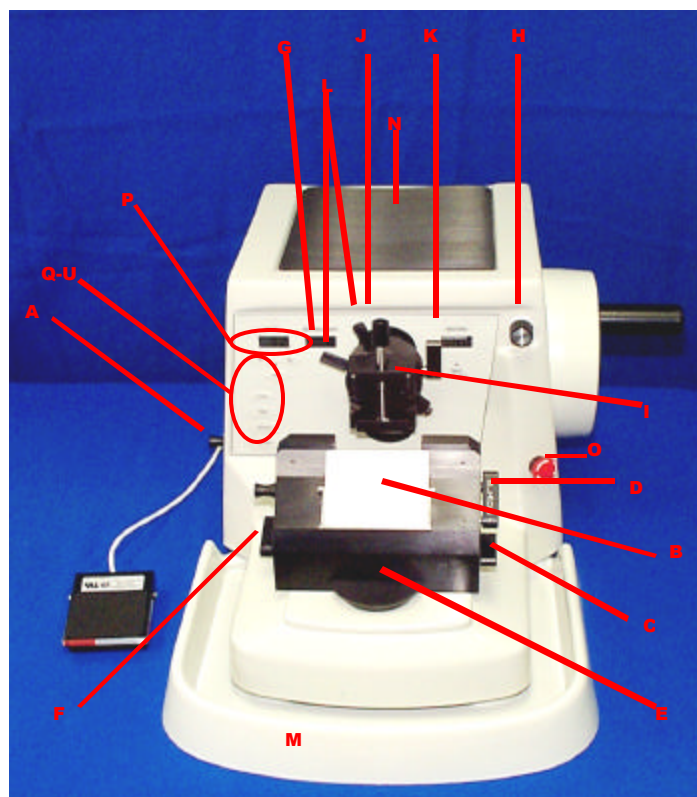
***FOR PARAFFIN
EMBEDDED
SPECIMENS***

***MOTORIZED
CUTTING
MECHANISM***

The ergonomic design and safety features of the **HACKER MR3 SERIES MICROTOME** makes it ideal for the fast paced histology lab. The monoblock specimen carriage eliminates almost all vibration common with multi-component assemblies. The cutting mechanism and course feed system is mounted on a heavy base casting. The specimen carriage slides up and down on maintenance- and backlash-free cross roller bearings. The X-Y fine orienting system allows the tissue sample to be positioned from the left, freeing the right hand for handwheel operation. The handwheel is positively locked for added safety. Once the brake is set, the motor drive cannot be engaged. Knife holders are available for both disposable and conventional steel knives.

For added safety, both E- and N- type holders are provided with removable or retractable finger guards. **THE HACKER MR3 SERIES MICROTOME** is provided with a built-in section counter and a slide-in section waste tray.

The **HACKER MR3 SERIES MICROTOME** is engineered and designed to bring years of low maintenance, precise, dependable and user friendly performance. **Made in USA** to meet the highest quality standards.



- A Wheel Lock**
- B Knife Stage**
- C Knife Angle Locking Lever**
- D Knife Locking Lever**
- E Stage Mount**
- F Stage Lock**
- G Section Counter**
- H Thickness Dial**
- I Chuck**
- J Block Release Lever**
- K Chuck Locking Lever**
- L Chuck Adjustment Screws**
- M Waste Tray**
- N Mat**
- O Emergency Button**
- P Speed Controls**
- Membrane Switches**
- Q Cut**
- R Clear**
- S Trim**
- T Advance**

TECHNICAL SPECIFICATION - HACKER MR3 SERIES ROTARY RETRACTING MICROTOME

Dimensions: H-279 mm x W-273 mm x L-457 mm (11" x 11" x 18")
Weight: 25 kg

Maximum Specimen Size: 55 X 50 mm

Cutting Stroke (Manual): 64 mm

Retraction: 70 microns

Electronic Feed of Knife Stage: 28 mm

Cutting Speed: 0-400 mm / sec

Handwheel Lock: Positive lock at 12:00 or 6:00 o'clock position

Specimen Orientation: x and y axis with 8° tilt plus rotation

Section Thickness Advance: 0.5 to 2.0µm in 0.5µm increments
2.0 to 10.0µm in 1µm increments
10.0 to 20.0µm in 2µm increments
20.0 to 60.0µm in 5µm increments

Power Supply: Input 100-240 VAC, 50/60 Hz, 0.8 Amps
Output 24 VDC, 35 Watts

The HACKER MR3 SERIES Microtome comes complete with:

- Operating Manual
- Specimen Holder (Quick Release for Cassettes)
- Orientating Adapter - attached to microtome at factory
- Dust Cover
- Foot Pedal
- Motorized Cutting Mechanism and Feed System
- Power Supply and Cables
- Knife Stage
- Hex Wrench 6 mm
- Waste Tray
- Motorized Coarse Advance/Rewind



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