

# MT990



(Configuration shown with optional stereomicroscope and lighting)

### Ideal for Applications In

- Forensic Science
- Quality Control
- Failure Analysis
- Materials Research
- Life Sciences

### Designed For

- Scanning Electron Microscopy
- Scanning Probe Microscopy
- Optical Microscopy
- FTIR

### Available configured for\*

- Cryosectioning Applications

## Your Research Level Microtome Gives You The Controls You Need!

For automated sectioning, the MT990 rotary microtome features a motorized, programmable, automatic trim providing a reproducible, consistent cutting speed. With an accelerated return stroke and adjustable cutting zone, the MT990 effortlessly cuts paraffin, plastic, and hard specimens. The advantages of the motor drive can also be used to reduce the strain of repetitive, high output histology sectioning. Included with a separate controller for hands-off operation of the motorized cutting stroke, the MT990 may also be used manually.

### FEATURES

- Tactile control unit: Digital feed totalizer, selectable for either total feed in microns or total number of sections Cutting mode control with; continuous cut, single stroke, intermittent cut 4-channel memory for storing section thickness/cutting speed combinations Fast coarse feed advance/reverse control Step advance for electronic trimming
- Foot Pedal for hands off control of cut function
- Optional Stereomicroscope Accessory with Overhead Light and Backlighting Accessory
- Optional cryo attachment permits sectioning from +40°C to -160°C

\* For cryo applications, the MT990 must be configured at the factory. Please specify at time of order.

**SPECIFICATIONS**

- Retraction: 50-60 microns
- Section Counter: Digital LED display of number of sections with reset button
- Feed Totalizer: Digital LED display of feed in microns
- Vertical Cutting Stroke: 64 mm (40mm with cryo)
- Cutting Speed Range: 0.1-330 mm/sec
- Section thickness range: 0.25 to 30  $\mu\text{m}$  in 0.25  $\mu\text{m}$  increments
- Motorized knife advance: 28mm
- Max. Specimen Size: 50x55 mm

**USER IS REQUIRED TO CHOOSE FROM THE FOLLOING TO COMPLETE CONFIGURATION (PURCHASED SEPARATELY)**

- Specimen Holders: Quick release cassette clamp  
Standard fixed jaw  
Foil  
Specimen Orientation Mount with universal holder for round or flat plastic embedded specimens
  
- Knife Holders: Type S for Glass, Diamond & Triangular Tungsten Carbide knives  
Type N for conventional steel knives  
Type E for high and low profile blades