

MT990



IDEAL FOR APPLICATIONS IN

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

DESIGNED FOR

- Atomic Force Microscopy
- Scanning Probe Microscopy
- Scanning Electron Microscopy
- Optical Microscopy
- FTIR

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 and trim functions
- Optional Binocular Microscope Accessory with Backlighting Accessory
- Optional cryo attachment permits sectioning from +35°C to -160°C

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 μ m in 0.25 μ m increments
- Motorized knife advance: 28mm
- Max. Specimen Size: 50x55 mm

DIMENSIONS

- Microtome: 475mm long x 290mm wide x 290mm high 24.5 kg
- Control unit: 370mm long x 210mm wide x 112mm high 1.8 kg
- Power supply: 255mm long x 125mm wide x 70mm high 1.5 kg

POWER SUPPLY (SPECIFY UPON ORDER)

- 100/120/220/240V 50/60HZ

USER IS REQUIRED TO CHOOSE FROM THE FOLLOWING TO COMPLETE THE SET UP (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
Standard Type N for conventional steel knives
Type E Disposable (High or Low Profile)

SHIPPING LIST

<u>PART #</u>	<u>DESCRIPTION</u>	<u>QTY.</u>
79790	MT990 ASSEMBLY	
- 79908	Power Supply	1
- Varies	Power Cord	1
- 79883	Single Foot Switch	1
- 311309	Wrench, 3mm	1
- 79527	Dust Cover	1
- 79723	Removable Rest Pad	1
- 79864	Controller	1
- 50036	Interconnect Cable	1

SHIPPING SPECIFICATIONS

- Dimensions: 635mm x 635mm x 635mm / 26" x 26" x 26"
- Weight: without microscope: 38kg / 90lbs
with microscope : 45.5kg / 100lbs