

# Automatic Cryostat Microtome

It is designed under overall engineering and ergonomic concept. All the components are processed with computer numerical controlled machine. Specimen retraction function, protects specimen from blade injury. Trimming (Motorized) thickness range 10 — 100 micron in 10 micron / cutting button makes it easy to switch from trim and section mode.

## Technical Specifications

- Vertical specimen stroke length will be 55-60mm, with a horizontal specimen feed of 25-30mm.
- Specimen size (Section) 50x80mm.
- The cryostat is a floor standing model with power requirements of 220V , 50-60Hz.
- Maintenance free microtome with section thickness setting range from 0 to 60pm will be available.
- 0-10 $\mu$ m in 1 $\mu$ m increments
- 10-20 $\mu$ m in 2 $\mu$ m increments
- 20-60 $\mu$ m in 5 $\mu$ m increments
- Motorized coarse feed preferably at two speeds.
- Rapid – 0.8mm/sec. Slow-0.2mm/sec.
- Disposable blade holder system with lateral displacement and integrated glass anti-roll guide will be available.
- Instruments will have closed drainage system to allow controlled disposal of fluids.
- Automatic & manual chamber defrost facility will be available with one automatic defrost cycle/24 hours.



# Semi Automatic Cryostat Microtome

It is designed under overall engineering and ergonomic concept. All the components are processed with computer numerical controlled machine.

Specimen retraction function, protects specimen from blade injury.

Trimming (Motorized) thickness range 10 — 100 micron in 10 micron / cutting button makes it easy to switch from trim and section mode.

Equip with counter to calculate total pieces and thickness.

Dual compressors, which are made in Germany, freeze the Cryostat chamber, freezing shelf, knife holder and specimen clamp separate with pro-environment refrigerant R404.

## Technical Specifications

- Freezing chamber temperature range - 10°C to -40°C.
- Cooling down time to 2 hours.
- Freeze shelf minimum temperature -40.
- Vertical stroke 60mm, Object feed 20mm.
- Specimen size (Section) 35x35mm.
- Horizontal specimen feed 25mm.
- Voltage and frequency AC220 to 10% 50Hz (Standard)

