

AUTOMATIC CRYOSTAT MICROTOME

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DESCRIPTION

- 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.
- The high-precision microtome is enclosed outside the cryostat chamber to protect it from thermal expansion and contraction and enable minimum service and maintenance.
- Self explanatory symbols for all function and displays, easy to learn and operate.
- LCD screen to display data such as sample travel, thickness, function controlling, day, time, temperature, timed on/off and so on.
- Control panel with locking function to avoid wrong operation.
- Hand wheel locking.
- It has cleaning devices, easy help customer to clean the unit.
- Specimen orientation XY-8°, Z-360° adjustable at any orientation to ensure precise placement.
- Self-detection function for the temperature sensor, can help to warn the failure on temperature sensor.
- UV option enables surface disinfection of harmful bacteria, viruses and spores by using 35 min after each use. It also has low-voltage DC shadow-less lamp.
- Heat-able and remove-able glass door.



Model No.
LS-ACM-2020

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 60µm will be available.
- ❖ 0-10µm in 1µm increments
- ❖ 10-20µm in 2µm increments
- ❖ 20-60µm in 5µm 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.

Design, Manufactured and Marketed by:

LUXLIGHTING TECHNOLOGY PRIVATE LIMITED
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