SEMI-AUTOMATIC MICROTOME
LSAM-B10

Semi-automatic Microtome LSAM-B10 uses a streamlined design with extraordinary ergonomic characteristics for comfortable operation while maintaining reproducible precision during sectioning. It is a rotary microtome designed to combine mechanical feed with manual cutting yielding quality ribbons, equipped with imported roller guide rails and high precision roller screws. The hand wheel is designed to run smoothly, minimizing hand stress for maximum efficiency and productivity.

Features

- Smooth running hand wheel
- Provides optimal tactile response
- Specimen trimming feature speeds up productivity
- Automatic sectioning speed is adjustable by gentle button
- Fast switching between paraffin block clamp and cassette clamp
- Auto slicing control ensures fast trimming and slicing switching
- Safety and emergency braking systems
- 3 mode control system: conventional mode, intelligent sensing mode and whole layer cutting mode
- Lateral displacement of blade holder base enables better sectioning
- Provides work flow flexibility
- The precise positioning system not only easy to use, but also provides accurate X and Y axis adjustment
- Imported guide rails for cross-rollers and high-precision screw motion mechanisms
- Large-volume removable waste tray, on the top of the housing.
- Red bar on the blade holder covers the whole length of blade to protect the user and enables easy changing of the blade
- Safety and emergency breaking systems
- Blade holder can be laterally moved without direct contact, enabling use of the entire length of blade

Application

Semi-automatic microtomes are extensively used in Clinical fields, Research laboratories, Industrial laboratories, Pathology labs, Medical Institutions, Histology and Biology labs and many Medical science applications.

Technical Specifications

Model		LSAM-B10
Mode		Semi-automatic without intelligent sensing
Sectioning Thickness Range (0 – 60 μm)	0 – 1.0 μm	increment 0.25 μm
	1 – 10 μm	increment 1 μm
	10 – 20 μm	increment 2 μm
	20 – 60 μm	increment 5 μm
Trimming Thickness Range (1 – 900 μm)	1 – 10 μm	increment 1 μm
	10 – 20 μm	increment 2 μm
	20 – 100 μm	increment 5 μm
	100 – 900 μm	increment 50 μm
Whole layer clearance distance		10 – 6000 μm (10, 12, 15, 20……6000, after 15 μm the increment is 5 μm)
Specimen Horizontal Stroke		28 mm
Specimen Vertical Stroke		52 mm
Specimen Orientation		XY – 8°C, rotation 360°C
Min. Sectioning Thickness		0.25 μm
Max. Specimen Size		50×70 mm
Feed Speed		450 μm/s
Precision		±5%
Display		LCD Display
Power Consumption		100 W
Power Supply		AC 110/220V ± 10%, 50/60Hz
External Dimension (W×D×H)		585×410×305 mm
Package Dimension (W×D×H)		670×550×480 mm
Gross Weight		45 Kg