SEMI-AUTOMATIC MICROTOME
LSAM-B11

The Semi-Automatic Microtome LSAM-B11 provides a streamlined design with exceptional ergonomic attributes for comfortable use and repeatable precision during sectioning. It is a rotary microtome equipped with imported roller guide rails and high-precision roller screws that combines mechanical feed with manual cutting to generate high-quality ribbons. The hand wheel is designed to run smoothly, reducing hand stress and allowing for maximum efficiency and production.

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 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-B11
Mode		Semi-automatic without intelligent sensing
Sectioning Thickness Range (0.25 – 100 µm)	0.25 – 2.5 µm	increment 0.25 µm
	2.5 – 5 µm	increment 0.5 µm
	5.0 – 10 µm	increment 1 µm
	10 – 30 µm	increment 2 µm
	30 – 60 µm	increment 5 µm
	60 – 100 µm	increment 10 µm
Trimming Thickness Range (1 – 600 µm)	1 – 10 µm	increment 1 µm
	10 – 20 µm	increment 2 µm
	20 – 50 µm	increment 5 µm
	50 – 150 µm	increment 10 µm
	150 – 600 µm	increment 50 µm
Whole layer clearance distance		10 – 6000 µm (10, 12, 15, 20……6000, after 15 µm the increment is 5 µm)
Retraction Range		0 – 50 µm
		5 – 50 µm
Specimen Horizontal Stroke		28 mm
Specimen Vertical Stroke		70 mm
Specimen Orientation		XY – 8°C, rotation ±90°C
Min. Sectioning Thickness		0.25 µm
Max. Specimen Size		70×70 mm
Feed Speed		1500 µm/s, 3500 µm/s
Precision		±5%
Display		OLED Display
Power Consumption		100 W
Power Supply		AC 110/220V ± 10%, 50/60Hz
External Size (W×D×H)		575×420×330 mm
Package Size (W×D×H)		670×550×480 mm
Gross Weight		45 kg