AUTOMATIC MICROTOME
LAM-B10

Automatic Microtome LAM-B10 distinguishes for precision and functionality, following the highest safety standard and the device uses an optimized design, with advanced functions, stable and reliable performance. It's an automatic microtome with imported roller guide rails and high-precision roller screws that combines mechanical feed with hand cutting to produce high-quality ribbons.

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

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		LAM-B10
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
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%
Standard Accessory		Cassette clamp or Paraffin Block Clamp
Display		LED Display
Power Consumption		150 W
Power Supply		AC 110/220V ± 10%, 50/60Hz
External Size (W×D×H)		580×475×340 mm
Package Size (W×D×H)		680×570×500 mm
Gross Weight		60 Kg