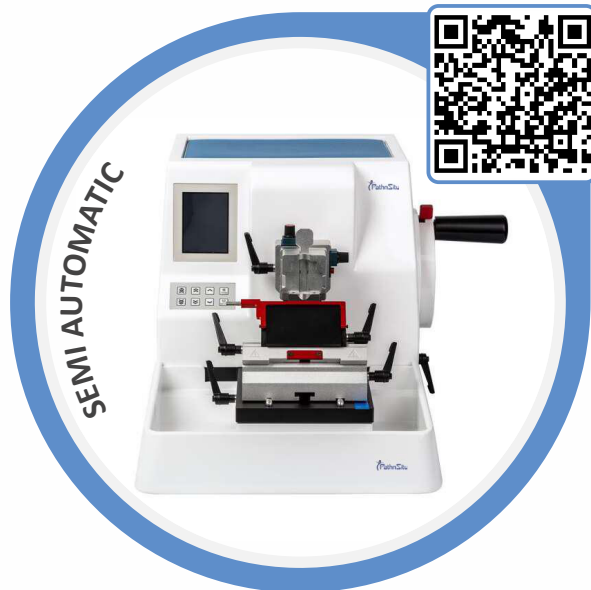


SCAN

MICROTOME



SCAN

FEATURES

- Space-efficient for laboratory setups
- Produces consistent and accurate tissue sections
- Colour LCD touch screen for user-friendly operation
- Equipped with a photoelectric sensing system for enhanced accuracy
- One-touch trimming and sectioning eliminates repetitive hand wheel
- Convenient and hands-free operation with a foot switch
- Provides both manual and automatic operation for flexibility

MICROTOME-MANUAL

DESCRIPTION

Microtome is a manually operated microtome where tissue sections are cut by turning the handwheel. The guiding lines for the vertical and horizontal movement of the specimens are seamless and free from maintenance. The sections of paraffin embedded block are cut by turning the handwheel. The handwheel should be moved in clockwise direction for tissue block section cutting.

The tissue section thickness can be adjusted by a knob (Thickness adjustment knob). Tissue sectioning is a very important step in histology as any change in the recommended tissue thickness can lead to improper viewing under the microscope.

TECHNICAL SPECIFICATION

Model	PS542	PS543
Sectioning Thickness Setting	Section thickness setting range: 0.5-60µm	Section thickness setting range: 0-60µm
Precision	±1%	±1%
Maximum Specimen Size	60×55mm	60×55mm
Horizontal Specimen Stroke	0-28mm	28mm ± 1mm
Vertical Specimen Stroke	52mm	60mm
Setting Values of Thickness	From 0µm-2 µm in 0.5µm increments From 2µm-10µm in 1µm increments From 10µm-20µm in 2µm increments From 20µm-60µm in 5µm increments	—
Specimen Orientation	XY – 8°, 360° Rotable	XY – 8°, 360° Rotable
Trimming Thickness Setting	—	0-60µm adjustable
Minimum Setting for Sectioning Thickness	—	1µm
Angle Range of Section Base	—	0-15° adjustable
Specimen Retraction	—	50µm
Dimensions	565×440×285mm (L×W×H)	555×450×320mm (L×W×H)
Net Weight	28kg	45kg

ORDERING INFORMATION

Equipment Name	Catalog No	Catalog No
Microtome	PS542	PS543

MICROTOME- SEMI AUTOMATED(PS544)

DESCRIPTION

Microtome (PS544) is a semi-automatic operated microtome is integrated with technology and advanced design to make the tissue cutting process convenient for the user. This microtome comes with user friendly settings for sectioning and trimming programs. The guiding lines for the vertical and horizontal movement of the specimens are seamless and free from maintenance.

The sections of paraffin embedded block are cut by turning the handwheel. The handwheel should be moved in clockwise direction for tissue block section cutting. Tissue sectioning is a very important step in histology as any change in the recommended tissue thickness can lead to improper view under the microscope.

TECHNICAL SPECIFICATION

Model	PS544
Sectioning Thickness Setting Range	0-99.9µm in 0.1 increments
Precision	±1%
Maximum Specimen Size	60×50mm
Horizontal Specimen Stroke	28mm
Vertical Specimen Stroke	60mm
Specimen Orientation	XY – 8°, 360° Rotable
Trimming Thickness Setting Range	0-999µm in 0.1µm increments
Fast Speed Adjustment	1mm/s-3.5mm/s
Slow Speed Adjust	0.1mm/s-1mm/s
Voltage and Frequency	AC 220-230V/ 50-60Hz
Specimen Retraction	0-100µm
Dimensions	580×490×315mm (L×W×H)
Net Weight	40kg

ORDERING INFORMATION

Equipment Name	Catalog No
Microtome	PS544

MICROTOME-FULLY AUTOMATED (PS553AT)

DESCRIPTION

Microtome (PS553AT), where precision takes center stage and where every section is a testament to excellence. Designed with cutting-edge technology and user-centric features, our Fully Automated Microtome is your trusted partner in laboratories, clinics, and research facilities. It offers a level of automation that streamlines your workflow and ensures consistent, sharp sections with every pass. Tissue sectioning is a very important step in histology as any change in the recommended tissue thickness can lead to improper viewing under the microscope.

TECHNICAL SPECIFICATION

Model	PS553AT
Setting Values of Thickness	From 0.5µm-2 µm in 0.5µm increments From 10µm-20µm in 2µm increments From 20µm-50µm in 5µm increments From 50µm-100µm in 10µm increments
Section Thickness Setting	0.5-100µm
Trimming Section Thickness Setting	5-500µm
Horizontal Specimen Stroke	20mm
Vertical Specimen Stroke	60mm
Sample Orientation	XY – 8°, 360° Rotable
Precision	±5%
Maximum Specimen Size	50×45mm
Voltage and Frequency	AC 220-230V/ 50-60Hz
Feed Speed of Specimen	1250/s, Keep Pressing for 2000µm/s
Cutting Speed	0-300mm/s
Specimen Retraction	0-220µm (Turn ON & OFF Option)
Dimensions	500×320×500mm (L×W×H)
Net Weight	35kg

ORDERING INFORMATION

Equipment Name	Catalog No
Microtome	PS553AT

Contact Us

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