

AUTOMATIC MICROTOME

TECHNICAL PARAMETERS

MODEL	355AT
Section thickness range	0.5 - 100 μm
Slice thickness adjustment	0.5 - 2 μm (in 0.5 μm increments) 2 - 10 μm (in 1 μm increments) 10 - 20 μm (in 2 μm increments) 20 - 50 μm (in 5 μm increments) 50 - 100 μm (in 10 μm increments)
Trimming thickness range	5 - 500 μm
Trimming thickness adjustment	5 - 10 μm (in 5 μm increments) 10 - 100 μm (in 10 μm increments) 100 - 200 μm (in 20 μm increments) 200 - 500 μm (in 50 μm increments)
Specimen retraction	12 mm
Specimen orientation	Axe X: 8° Axe Y: 8° Axe Z: 360°
Vertical specimen stroke	60 mm
Horizontal specimen stroke	20 mm

DESCRIPTION

Automatic Microtome is generally used for slicing thin sections of different specimens, as biopsies for pathological diagnosis, tissue samples of animal and plant, plastic, cork, wood, polystyrene, etc. Its two-in-one design concept gives motorized and manual slicing, providing reproducible high-quality sections. Automatic slicing allows to user can have free his hands to do other things. It is used widely in research institutes, universities, colleges, hospitals, and laboratories.



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Section accuracy	± 2%
Speed of cutting	0 - 300 mm/s
Overall dimensions	500 x 320 x 500 mm
Net weight	35 kg
Power Supply	AC 110V, 60 Hz

STANDARD ACCESSORIES

1. Microtome blade holder
2. Clamps
3. Metal base molds
4. Cassettes
5. Dissecting forceps
6. Brush
7. Inner hexagon spanner
8. Separate control panel
9. Foot pedal

KEY FEATURES

1. Automatic mode allows the user can release his hands to do other things, to improve working efficiency and simplify technical difficult.
2. Two clamps (universal cassette clamp and standard specimen clamp), foot pedal and separate control panel.
3. Smooth-running handwheel and can be manual locked in any direction, to protect to operator during samples processing.
4. Waste tray increases efficiency by decreasing cleaning time and reduces contamination to the operator/environment by effectively collecting and containing waste.
5. Emergency brake immediately shuts down device avoiding accidents.
6. Touch screen panel shows slice and trimming thickness, section counter and speed of hand wheel rotation.
7. Simple control panel with selection mode (slice or trimming) and specimen advance and retraction quickly.

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