



Automatic Microtome LAM-A10

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Automatic Microtome LAM-A10 is a fully-automated streamlined molded housing microtome, designed with smooth running hand wheel and stepping-motor advance technology for fine sectioning and trimming of specimen with selectable specimen retraction. Unit contains precise micro motion specimen feeding system and removable waste tray for specimen dismantling. Built-in safety alarm system for fault diagnosis.

Features

- Full-automatic sectioning with adjustable speed
- Streamlined molded housing gives attractive appearance and easy maintenance
- Three motorized sectioning modes (Continuous, Single and Step) available for user to select
- Advanced retraction function makes better sectioning and retraction value is adjustable
- Electronic trim function to switch from trim to section mode
- Section counting function sums total section pieces and overall thickness
- Signal and stepper motor to control specimen feeding
- Automatic memorized coarse feed and reload function improves cutting efficiency
- Specimen fine orientation of 8° on X/Y axes
- Universal specimen holder includes cassette clamp
- Spacious and ingenious waste tray
- Lockable handwheel (any position)
- Safety alarm system for user alert

Applications

Used in routine histology, biological and industrial analysis and also suitable for section paraffin and frozen sections in biological, botanical, and materials science applications.

| Model no | LAM-A10 |
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| Section thickness range | 0 to 100 μm |
| Section thickness setting | 0 to 20 μm , in 1 μm increment 20 to 60 μm , in 5 μm increments 60 to 100 μm , in 10 μm increments |
| Trimming thickness | 1 to 600 μm |
| Trimming thickness setting | 1 to 20 μm , in 1 μm increment; 10 to 20 μm , in 2 μm increments; 20 to 50 μm , in 5 μm increments; 50 to 100 μm , in 10 μm increments; 100 to 600 μm , in 50 μm increments |
| Retraction thickness | 0 to 95 μm , In 5 μm increments |
| Specimen vertical feed | 70 mm |
| Specimen horizontally feed | 25 mm |
| Specimen holder adjustment system | Horizontal orientation (X axis): $\pm 8^\circ$ Vertical orientation (Y axis): $\pm 8^\circ$ |
| Max specimen size with cassette clamp (H×W) | 40 mm × 28 mm |
| Max specimen size with C clamp (H×W) | 55 mm × 40 mm |
| Dimensions (W×D×H) | 560 × 470 × 300 mm |
| Power supply | 100/240 V, 50/60 Hz |
| Weight | 35 kg |