



FAM47

| Microtome Fully-automatic

Details Info

Features:-

- Ergonomical one-step Injection Molded housing(including fixing bottom studs) results in appropriate structure, attractive appearance and convenient operation, and enables to avoid resonance and lower the frictional resistance;
- Magnetic waste tray enables easy removal for cleaning, and was designed black to blend into one harmonious whole together with the main machine.

Electronic touch-control system with Powerful functions and convenient operation

- Control and display by chromatic LCD touch-screen;
- Enable optional languages;
- Multi modes are optional to meet different requirements greatly: fully-automatic slicing with adjustable speed and three slicing modes: continuous, step and single; manual slicing with rotary and rocking mode;
- Fast trimming function enables fast switch between sectioning and trimming mode;
- Section counting function counts total sliced pieces and thickness;
- Specimen retraction function protects specimens from blade scratching and ensures sections' integrity;

- Specimen spot memory enables specimen go to original sectioning position;
- Emergency stop button;
- optional foot-control panel;
- Automatic voltage compatibility ensures to match with global voltage standards with supported range of voltage from 100V to 240V;
- Self-diagnostic prompt.

Mechanical drive system with perfect workmanship enables durable service

- High quality Guide rails and retainer in mechanical transmission system , which are so highly precise that enables to slide with even no gap, thus results in precision and longer equipment life and free of lubrication, maintenance and noise, too;
- A precise micro motion specimen feeding system: controlled by a micro-computer, optical signals, and a stepper motor to ensure precise specimen feeding.

Precise, comfort, and safe slicing experience

- A force balancing system in handwheel for adjusting the balancing force during slicing, making rotation light , even and smooth;
- User friendly design of handle makes it can be moved to the center of handwheel to ensure safety in automatic slicing mode;
- Two safe locking mechanisms on the handwheel: the first safety lock enables to fix the specimen head at the uppermost; the second one locks the specimen head at the bottom. When the safety locking is electronically detected and converted to the LCD display, fully motorized sectioning is not accessible;
- Blade clamp can be moved horizontally to avoid danger from unintended touch on blade. A third of the blade can do the entire slicing, which makes the blade's life time three times longer;
- Specimen positioning: horizontally 8°, vertically 8°, cassette clamp and C clamp are optional.

Specifications

Section thickness range	1~100μm(3~5μm thickness leads to best section results)
Section thickness setting	1~10μm, in 1μm increment 10~20μm, in 2μm increments 20~50μm, in 5μm increments; 50~100μm, in 10μm increments
Trimming thickness	1~600μm
Trimming thickness setting	1~10μm, in 1μm increment 10~20μm, in 2μm increments 20~50μm, in 5μm increments 50~100μm, in 10μm increments 100~600μm, in 50μm increments
Specimen retraction	5~150μm, in 5μm increments; (enable to shut down)
Specimen vertical stroke	59mm

Specimen horizontal stroke	25mm
No. of section modes	5
Max specimen size	60mm×50mm×40mm
Dimensions (W×L×H)	410×620×310mm
Specimen positioning	horizontally 8°, vertically 8°
Voltage	AC100~240V, 50~60Hz
Power	75W
Weight	about 30kg
Automatic section speed	10~60 pieces/min adjustable (enable to shut down)

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