



# FULLY AUTOMATIC ROTARY MICROTOME

**FINE-CUT-24**

*Design, Development & Manufacturing of Histopathology Laboratory Instruments.*



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# FULLY AUTOMATIC ROTARY MICROTOME

## FINE-CUT-24

Fully Automatic Rotary Microtome (**FINE-CUT-24**) is high-precision laboratory instrument designed for cutting thin and uniform tissue sections for histopathology and research applications. Ensures smooth operation, accurate sectioning, and reliable performance for routine laboratory use.



## KEY FEATURES

### Precision & Motion Control

- Dual-mode: Precision Cutting & Rapid Trimming
- Micron-level digital thickness control
- X-Y movement with 360° specimen orientation
- Zero-point alignment for consistent sectioning
- Motorized specimen advance reduces fatigue
- **Adjustable Cutting speed control**
- **Multiple speed for different tissue types**
- **Single / Double section & Continuous section mode.**

### Safety & Stability

- Emergency brake for instant stop & safety
- Quick-response, easy-access control
- Prevents accidental movement & damage
- Advanced force balance for stability
- Multi-position handwheel safety lock
- End-of-travel limit sensing alarms
- Heavy-duty, rust-proof, vibration-free chassis

### Ergonomics & Efficiency

- Ergonomic coarse feed wheel for comfort
- Silent retraction for low-noise operation
- High-quality sections for H&E, IHC & molecular use
- Smooth, reduced-force handwheel

### Tooling & Versatility

- Vibration-free blade holder (high & low profile)
- Adjustable blade angles for precision cutting
- Supports standard & universal cassette clamps

**PRECISION IN EVERY  
SECTION IN EVERY RESULT**  
Engineered for Accuracy. Built for Reliability.



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TECHNICAL SPECIFICATION	
Section Mode	Manual, Fully or via Foot pedal.
Setting Value	1 µm to 10 µm in 1 µm increments 10 µm to 20 µm in 2 µm increments 20 µm to 100 µm in 5 µm increments 100 µm to 200 µm in 10 µm increments 200 µm to 500 µm in 50 µm increments.
Minimum setting value	0.5 µm
Section Thickness Range	0.5 µm - 100 µm
Trimming thickness range	1 µm to 60 µm.
Specimen feed	Approx 24 mm +/- 1 mm
Specimen size	large standard clamp- 50*50*30 mm or super standard clamp- 68*48*15 mm
Specimen orientation	Horizontal- 8°, vertical- 8°, Z-360°
Specimen retraction rang	5-100 µm in 5 µm increment (can be turned off).
Vertical Stroke	70 mm +/- 1 mm
Object/Horizontal feed	30 mm
Storage temperature range	-20°C up to +50°C
Operation condition temperature	+5°C to +40°C indoor only
Nominal Volatage	100/120/230/240V A/C +/- 10%.



### DIMENTIONS WITH CARTON BOX

Dimension in inches - L X B X H

20 X 23 X 16

Weight - 50 Kg



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## ACCESSORIES

1. Brush- 3 nos assorted
2. Tray- 1 no
3. Disposable blade- 1 Packet
4. Dust cover- 1 no
5. Embedded ring- 12 nos
6. Embedded cups-3 nos  
(small, medium, large) each
7. Screw Driver- 1 no
8. Alkey- 4 nos assorted
9. Lead-1 no
10. Fuse- 2 nos
11. Foot Padel - 1 no
12. Operating Manual - 1no



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~ INTERNATIONAL PATHALOGY INSTRUMENTS ~



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