



ADVANCE ROTARY MICROTOME

CUT-24

Design, Development & Manufacturing of Histopathology Laboratory Instruments.



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ADVANCE ROTARY MICROTOME

CUT-24

Advance Rotary Microtome (**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

- High-precision specimen feed mechanism for accurate sectioning.
- Cross roller guideways ensure smooth and precise movement.
- X-Y axis movement with 360° rotatable specimen orientation.
- Adjustable knife angle for enhanced cutting accuracy.
- Smooth-running handwheel for effortless operation with locking system.
- Vibration-free blade holder for stable and uniform sections.

Safety & Stability

- Robust and stable base plate for maximum stability.
- Handwheel lock at every position for enhanced operator safety.
- Rust-proof heavy-duty construction for long-term durability.
- Cross roller guideways ensure stable specimen movement.
- Secure specimen clamp with quick-release mechanism.
- Smooth and controlled operation for safe handling.

Ergonomics & Efficiency

- User-friendly ergonomic design for comfortable operation.
- Smooth-running handwheel reduces operator fatigue.
- Large top storage space for quick tool accessibility.
- Enhances laboratory productivity and workflow efficiency.
- Easy adjustment controls for convenient operation.
- Designed for continuous routine laboratory use.

Tooling & Versatility

- Compatible with both low & high profile blades.
- Adjustable knife angle for versatile cutting applications.
- Standard specimen clamp with quick-release mechanism.
- Supports paraffin-embedded tissue sectioning.
- 360° rotatable specimen orientation for flexible specimen positioning.

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





TECHNICAL SPECIFICATION	
Section Mode	Manual.
Setting Value	0.5 - 5 µm: in 0.5 µm increments 5 - 10 µm: in 1 µm increments 10 - 20 µm: in 2 µm increments 20 - 60 µm: in 5 µm increments
Minimum setting value	1 µm
Section Thickness Range	0.5 µm - 60 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°
Vertical Stroke	60 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	220/240V, 50-60Hz, A/C +/- 10%



DIMENTIONS WITH CARTON BOX

L X B X H
20 X 22 X 16
Weight - 37 Kg





ACCESSORIES

1. Embedding Cups - 3 Nos (small, Medium, Large)
2. Embedding Rings- 12 Nos
3. Quick Release Attachment - 1 No
4. Waste Tray - 1 No
5. Disposable Blades - 1 No (high/Low Disposable blades) either one
6. Brush - 1 No (Small & Big)
7. Dust Cover - 1 No
8. Operating Manual - 1 No



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