



# SEMI AUTOMATIC ROTARY MICROTOME TOUCH

**TRUE-CUT-T-24**

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



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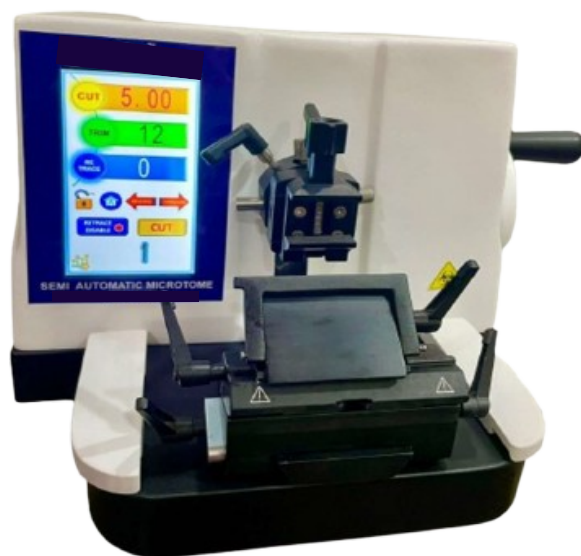




# TOUCH SEMI AUTOMATIC ROTARY MICROTOME

## TRUE-CUT-T-24

Semi Automatic Rotary Microtome TOUCH (**TRUE-CUT-T-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. User Friendly 7 inch Touch Screen.



## KEY FEATURES

### Precision & Motion Control

- **Dual-Mode Processing:** Seamlessly toggle between Precision Cutting and Rapid Trimming to optimize sample preparation.
- **Micron-Level Digital Control:** Ultra-fine adjustment to increase or decrease section thickness with absolute repeatability.
- **Advanced Motion Control:** Cross-roller guideways paired with X-Y axis movement and full 360° specimen orientation.
- **Zero-Point Alignment:** Features a fine-tuning interface and a mechanical zero-reference point for consistent sectioning.
- **Motorized Specimen Advance:** Eliminates manual inconsistencies and significantly reduces operator fatigue.

### Ergonomics & Efficiency

- **Personalized Coarse Feed:** Ergonomically designed wheel for high-volume comfort and tactile responsiveness.
- **Silent Retraction:** Engineered for ultra-quiet operation, minimizing laboratory noise during prolonged use.
- **High-Quality Sectioning:** Produce reliable paraffin sections for H&E, immunohistochemistry, and molecular analysis.
- **Reduced-Force Handwheel:** Ultra-smooth mechanical rotation designed to minimize repetitive strain

### Safety & Stability

- **Advanced Force Balance:** A unique stabilization system counteracts the object head weight to prevent accidental shifts or injury.
- **Universal Safety Lock:** Enhanced security with a multi-position handwheel lock that secures the wheel at any point.
- **Limit-Sensing Alarms:** Automated safety alerts provide a clear indication when the specimen reaches the end-of-travel position.
- **Heavy-Duty Chassis:** A robust, reinforced base plate with rust-proof construction for maximum stability and vibration dampening.

### Tooling & Versatility

- **Vibration-Free Blade Holder:** Stabilized system compatible with both high-profile and low-profile disposable blades.
- **Precision Blade Geometry:** Fully adjustable knife angles to ensure the perfect attack angle for various material hardness.
- **Flexible Clamping:** Supports both Standard and Universal cassette clamps for diverse specimen types.

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



## TECHNICAL SPECIFICATION

Section Mode	Manual.
Controller	<b>7 inch touch screen display</b>
Setting Value	1 $\mu$ m to 10 $\mu$ m in 1 $\mu$ m increments 10 $\mu$ m to 20 $\mu$ m in 2 $\mu$ m increments 20 $\mu$ m to 100 $\mu$ m in 5 $\mu$ m increments 100 $\mu$ m to 200 $\mu$ m in 10 $\mu$ m increments 200 $\mu$ m to 500 $\mu$ m in 50 $\mu$ m increments.
Minimum setting value	0.5 $\mu$ m
Section Thickness Range	0.5 $\mu$ m - 100 $\mu$ m
Trimming thickness range	1 $\mu$ m to 60 $\mu$ m.
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	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%.



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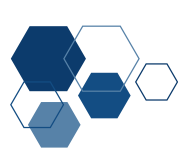


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## ACCESSORIES

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

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~ INTERNATIONAL PATHALOGY INSTRUMENTS ~



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