

Since 1954

**WESWOX**<sup>®</sup>  
OPTIK

**FULLY AUTOMATIC  
ROTARY MICROTOME**

**Introducing**  
**World's First Automated Microtome**  
with Feather Touch LCD Screen Panel.



**FAMT-1090A**

**WESWOX** Fully Automatic Microtome is Ergonomically designed and manufactured to provide uniform and flat sections every time.

**WESWOX** Fully Automatic Microtome is specially designed for routine and research applications in Histopathology Labs & Medical Colleges.

*For Over 60 years,  
**WESWOX MICROTOMES**  
have been the classic sectioning machine  
in virtually every medical teaching and  
research laboratory and  
it's still unequalled in performance.*

**Features :**

- Modular system with exceptional precision guaranteed over extensive protection and sliding-clutch anti-locking system in the coarse advance.
- Cutting/Trimming Mode
- Fast Forward/Backward Function
- Increase/Decrease Section Thickness
- Section Counter/Section thickness display
- Lateral knife adjustment to ensure that the entire width of the blade is used without releasing the blade clamping mechanism.
- Large storage capacity on the top of the instrument for easy access of tools.
- Finger protection guard to protect the user from any injuries caused due to blade.
- Lockable handwheel at any position for user safety.
- Robust and stable base plate for maximum stability to the microtome.
- Adjustable Specimen retraction value to prolong the life of cutting surface.
- Safety alarm system indicating the end positions.
- Ergonomic and user friendly design.
- Section Waste tray to collect section waste and is easily removable for cleaning purposes.
- Horizontal specimen feed : 28mm +/-1mm, feed motion via step motor.
- Motorized coarse feed in two steps i.e 300 micron/sec and 900 micron/sec
- Precision stepper motor and a micro step drive to ensure accurate specimen advance so that the specimen thickness remains uniform during sectioning.

**Technical Specifications :**

- Section Thickness Range : 0.5um-100um
- Setting Values : 0.5um-5um in 0.5um increments  
5um-20um in 1 um increments  
20um-60um in 5um increments  
60um-100um in 10um increments
- Trimming Thickness Range : 1um-600um
- Setting Values : 1um-20um in 1um increments  
20um-60um in 5um increments  
60um-100um in 10 um increments
- Minimum Setting Value : 0.5um
- Object feed : 28mm
- Vertical stroke : 60-70mm
- Specimen Orientation : x- and y-axes : universal 8°  
Z-axis : upto 360°
- Sectioning Speed : Adjustable
- Max. Specimen size : 50x50mm.
- Operation : Semi-automatic
- Nominal Voltage : 220V, 50Hz/110V, 60Hz
- Certification : ISO, CE approved

**Standard Accessories :**

- Disposable blade : 1 pkt
- Stainless Steel Moulds : 5 Pair