

thermo scientific

Precise sections –  
perfectly simple



Thermo Scientific Rotary and Sliding Microtomes

**ThermoFisher**  
SCIENTIFIC

# Rotary Microtomes

Designed for precision and stability to help labs achieve quality ribbons even with difficult-to-cut paraffin sections.



## Manual

### Thermo Scientific HM 325

A premier manual rotary microtome with additional capability to support rapid set-up and cleaning for improved workflow.

- 64 mm vertical stroke can accommodate Thermo Scientific™ Super Mega™ Cassettes in horizontal orientation
- Wrap-around, detachable waste tray for safe and speedy debris collection and disposal
- XY fine orientation and zero positioning for rapid re-orientation of pre-cut blocks
- Ultra-light touch, ergonomic flywheel
- Optional Thermo Scientific™ Section Transfer System™ supports workflow transition from ribbon to slide
- Compatible with Thermo Scientific™ Cool Cut™ to extend cutting periods for efficient step and serial sectioning



## Semi-automated

### Thermo Scientific HM 340E

A semi-automated rotary microtome combining mechanized feed with manual cutting.

- 72 mm vertical stroke for efficient sectioning of macro and Super Mega™ Cassettes
- Memory function for specimen positioning with XY fine orientation and wraparound waste tray to speed up preparation and clean-up
- Ergonomic removable control panel to suit user preferences
- Compatible with Thermo Scientific™ Section Transfer System™ and Thermo Scientific™ Cool Cut



## Fully automated

### Thermo Scientific HM 355S

A fully automated microtome with four mechanized cutting modes to deliver exceptional sections across an extensive range of specimen types.

- 72 mm vertical stroke for efficient sectioning of Super Mega™ Cassettes and other large samples
- Choice of manual or mechanized sectioning
- Single, multiple, interval and continuous cutting modes for optimum control according to sectioning requirements
- Unique “double-tap” startup is designed to prevent accidental operation
- Compatible with Cool-Cut and Section Transfer System for improved workflow
- Programmable cutting window to define the sectioning area for more efficient sectioning
- Memory function for specimen positioning with XY fine orientation and wraparound waste tray to speed up preparation and clean-up
- Ergonomic removable control panel to suit user preferences
- Emergency stop, manual, and electronic brake

## Thermo Scientific Cool-Cut and Section Transfer System

Discover the efficiencies of a complete sectioning solution. Simply pair one of our Thermo Scientific rotary microtomes with the Thermo Scientific™ Cool-Cut™, paraffin block cooler, and Thermo Scientific™ Section Transfer System™ (STS). These accessories are designed to help laboratories improve quality and efficiency – two key influencers of positive patient outcomes.

The Cool-Cut provides object cooling for high-quality sectioning and process efficiency. The Section Transfer System automatically transfers section ribbons from the blade to the water bath reducing manual handling. Their compact, integrated design saves valuable bench space.

Both are designed to be used exclusively with the Thermo Scientific™ HM 325, HM 340E, and HM 355S rotary microtomes.

# Sliding Microtomes

Thermo Scientific sliding microtomes – smart choices for reliability, comfort and versatility.



## Manual

### Thermo Scientific HM 430

A manually operated microtome suitable for a range of botanical samples in addition to anatomical tissue.

- Variable stroke length to meet specimen requirements
- Accommodates specimens up to 80 mm x 60mm
- Coaxial specimen orientation and memory function for rapid re-orientation of pre-cut blocks
- Choice of manual or automated advance

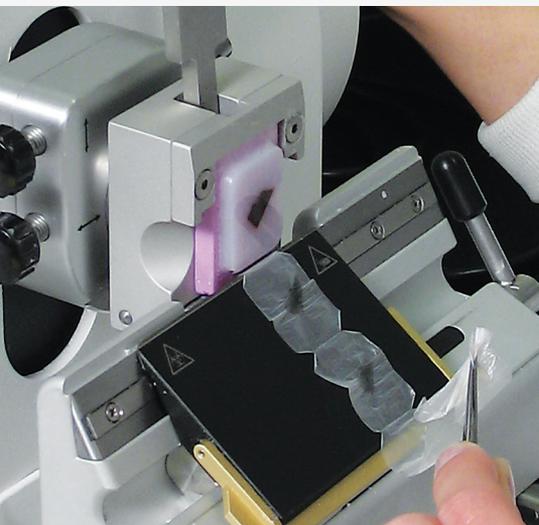


## Fully automated

### Thermo Scientific HM 450

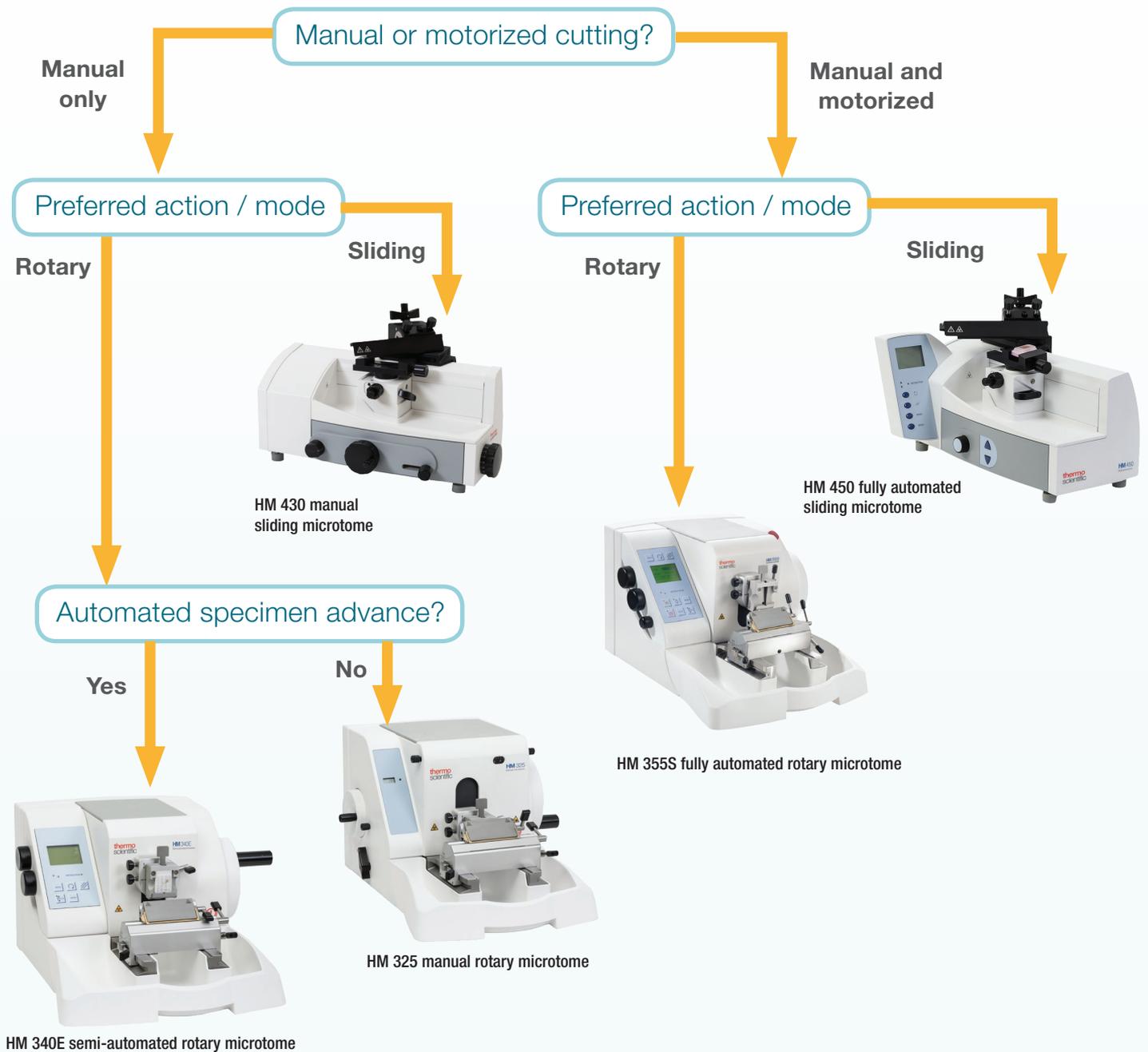
An automated sliding microtome with additional capability for cutting large and hard specimens.

- Choice of manual or mechanized operation
- Coaxial specimen orientation and memory function for rapid re-orientation of pre-cut blocks
- User-friendly control panel for easy operation
- Optional retraction to protect specimen



Histological examination continues to be the gold standard for detection, diagnosis and characterization of many clinical conditions

# Microtome selection made simple



## LEAN sectioning

Improve laboratory efficiency at the microtome by transferring sections directly onto slides as they are generated. Combining a Thermo Scientific manual microtome with a water bath and SlideMate™ AS slide printer offers a straight forward cost effective means of simultaneously streamlining workflow and reducing the risk of sample identification errors.



Thermo Scientific Microtomes	
Rotary Microtomes	Cat. Number
<b>HM 325 manual microtome</b>	902100
• With E blade holder	902100A
• With ER blade holder	902100ER
<b>HM 340E semi-automated microtome</b>	905190
• With E blade holder	905190A
• With ER blade holder	905190ER
<b>HM 355S fully automated microtome</b>	905200
• With E blade holder	905200A
• With ER blade holder	905200ER

Thermo Scientific Microtomes	
Sliding Microtomes	Cat. Number
<b>HM 430 manual microtome</b>	910010
• With low-profile blade carrier	910010L
• With high-profile blade carrier	910010H
<b>HM 450 fully automated microtome</b>	910020
• With low-profile blade carrier	910020L
• With high-profile blade carrier	910020H

## Essential accessories

Thermo Scientific microtomes can be custom-configured for optimal application-specific performance.



### Clamps and blade holders

Our variety of clamps and blade holders allow users to fine-tune the performance of their microtomes to precisely match specific specimen and media types, section thicknesses and cutting styles.



### Blades and knives

Thermo Scientific high- and low-profile disposable blades deliver longevity, reliability and ribbon generation across a range of tissue types.

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Find out more at [thermofisher.com/pathology](https://thermofisher.com/pathology)

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