

# FULLY AUTOMATED ROTARY MICROTOME

## M-250

The Cut at its Finest

- ✓ High quality sections with less fatigue
- ✓ Unmatched safety, reliability and consistency of results



Equipped with the most innovative advancements, the M-250 suitable for all applications in routine, research and industry, synthesizes the quality and technological excellence of the Myr brand within the field of microtomy.



### User interface:

Full color TFT 7" touchscreen. The size and tilt of the display allow an effortless selection of the parameters and increase user safety.

### Parameters on the main screen:

Section mode, speed, electronic brake, manual brake, section and trimming thickness, section counter, section sum, remaining travel, coarse feed, retraction, memory function and cutting window.

### Motorized coarse feed & home return:

Continuous and step coarse feed. In continuous mode, speed is selectable between slow and fast to ensure a controlled specimen approach. Superfast backward speed to return the specimen to the home position for fast specimen exchange.

### Sectioning handwheel:

Innovating counterweight system with excellent balance for maximum comfort when manual sectioning is required. Smooth working to minimize muscle strain.

### Electronic brake:

User increased safety thanks to electronic brake.

### Memorized position:

For higher productivity. Optimized position, for fast and efficient trimming, that can be retrieved by simply pressing a key.

### Waste tray-storage area:

Spacious waste tray with antistatic coating to prevent paraffin adhesion and minimize the cleaning time. Ergonomic design that includes surface for arm rest. Wide area on the top of the microtome for the storage of tools.

### Specimen orienting head:

Able to work with different specimen clamp types. Indication of 0-position in x and y orientation by palpable click.

### Control mouse:

Standard delivery includes a lateral button for speed/start-stop functions.

### Control panel:

With all existing functions in integrated touchscreen. Optionally available.

### Detachable handle:

For safety reasons, handle can be removed easily from the handwheel, when sectioning in automatic mode.

# Myr

## SPECIFICATIONS

### Section thickness

Total range in (μ)	0,5- 100
Thickness settings in (μ):	0,5- 5 in increments of 0,5
	5- 20 in increments of 1
	20- 60 in increments of 5
	60- 100 in increments of 10

### Trimming

Total range in (μ)	1- 600
Thickness settings in (μ)	1- 10 in increments of 1
	10- 20 in increments of 2
	20- 50 in increments of 5
	50- 100 in increments of 10
	100- 600 in increments of 50

### Specimen feed (mm)

28 ± 1mm

### Vertical stroke (mm)

72 ± 1mm for sectioning of mega-cassettes

### User interface

7" capacitive touchscreen display

### Operating modes

Motorized: Interval, Single, Continuous and Multi Stroke  
Manual: Rotational and Rocking

### Specimen retraction

Total range (μ)  
Selectable between 5 – 250  
Default value: 40μ  
Optional function that can be deactivated

### Motorized coarse feed

(μm/sec)  
300 (slow speed forward)  
800 (fast speed forward)  
1800 (superfast speed backwards)  
Additional function for forward/ backward feed in step mode

### Sectioning speed

0,5 – 450 mm/sec

### Blade Holder Type

Two in One for high and low profile blades

### Max. specimen size (mm)

50x60x40 (w x h x d)  
Super Cassette Clamp 68x48x15

### Specimen orientation

± 8° horizontal and vertical.  
Rotational capability: 360°. Indication of 0-position by means of click (x and y)

### Power requirements

Consumption (VA)  
100-240 VAC / 50-60Hz  
100

### Dimensions

Width (mm)	465
Depth with tray (mm)	540
Height (mm)	298
Weight (kg)	39



**KNIFE CARRIER MR**  
M240-4002C



**KNIFE CARRIER ME**  
M240-4101



**UNIVERSAL CLAMP**  
M240-2200



**STANDARD CLAMP**  
M240-2100

## ORDERING INFORMATION

**M250-01:** Microtome with knife carrier MR (for High and Low profile blades, lateral adjustment), quick release clamp.

**M250-02:** Microtome with knife carrier MR, (for High and Low profile blades, lateral adjustment), standard specimen clamp.

**M250-03:** Microtome with knife carrier ME (for High and Low profile blades, lateral adjustment), quick release clamp.

**M250-04:** Microtome with knife carrier ME, (for High and Low profile blades, lateral adjustment), standard specimen clamp.

## OPTIONAL ACCESSORIES

**M250-1000:** Footswitch

**M250-2000:** External control panel

**M240-1000:** Fixed specimen head

**M240-1100:** Orienting specimen head

**M240-2100:** Standard specimen clamp 55x50 mm

**M240-2200:** Universal specimen clamp (Quick Release Clamp)

**M240-4002C:** Knife carrier for disposable blades, model MR

**M240-4101:** Knife carrier for disposable blades, model ME

**M240-4201:** Knife carrier for standard knives, model MN

**M240-4301:** Knife carrier for standard knives, model MC

## Especialidades Médicas Myr S.L.

ISO 9001 / 13485 certified company

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