

**M-240****M-250****SPECIFICATIONS****Section thickness**

Total range in (μ)	0,5 - 100	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	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	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	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

<b>Specimen feed (mm)</b>	28 ± 1mm	28 ± 1mm
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<b>Vertical stroke (mm)</b>	72 ± 1mm for sectioning of mega-cassettes	72 ± 1mm for sectioning of mega-cassettes
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<b>User interface</b>	7" capacitive touchscreen display	7" capacitive touchscreen display
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<b>Operating modes</b>	Manual: Rotational and Rocking	Manual: Rotational and Rocking Motorized: Interval, Single, Continuous and Multi Stroke
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<b>Specimen retraction</b>		
Total range (μ)	Selectable between 5 – 250 Default value: 40μ Optional function that can be deactivated	Selectable between 5 – 250 Default value: 40μ Optional function that can be deactivated

<b>Motorized coarse feed (μm/sec)</b>	300 (slow speed forward) 800 (fast speed forward) 1800 (superfast speed backwards) Additional function for forward/ backward feed in step mode	300 (slow speed forward) 800 (fast speed forward) 1800 (superfast speed backwards) Additional function for forward/ backward feed in step mode
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<b>Sectioning speed</b>		0,5 - 450 mm/sec
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<b>Blade holder type</b>	Two in One for high and low profile blades	Two in One for high and low profile blades
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<b>Max. specimen size (mm)</b>	50x60x40 (w x h x d) Super Cassete Clamp 68x48x15	50x60x40 (w x h x d) Super Cassete Clamp 68x48x15
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<b>Specimen orientation</b>	± 8º horizontal and vertical Rotational capability: 360º Indication of 0-position by means of click (x and y)	± 8º horizontal and vertical Rotational capability: 360º Indication of 0-position by means of click (x and y)
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<b>Power requirements</b>	100-240 VAC / 50-60Hz	100-240 VAC / 50-60Hz
Consumption (VA)	40	100

<b>Dimensions</b>		
Width (mm)	465	465
Depth with tray (mm)	540	540
Height (mm)	298	298
Weight (kg)	33,9	39

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**AUTOMATED AND SEMI-AUTOMATED  
ROTARY MICROTOMES**

The Cut at its Finest

**Contact Us****Especialidades Médicas Myr S.L.**

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## OUR MICROTOMES

# M-240 and M-250

The M-240 and M-250 microtome's use state-of-the-art technology and embody the company's commitment to quality and excellence in the microtomy. It provides the operational convenience and stability required for outstanding sectioning in routine, research and industry applications.

## GENERAL FEATURES

### USER FRIENDLY INTERFACE

Full-colour TFT 7" display with PCAD (projected capacitive) touchscreen. The size and tilt of the display allow an easy and effortless selection of the parameters and increased user safety. All required parameters and functions are available on the main screen.



### KNIFE CARRIER SYSTEM

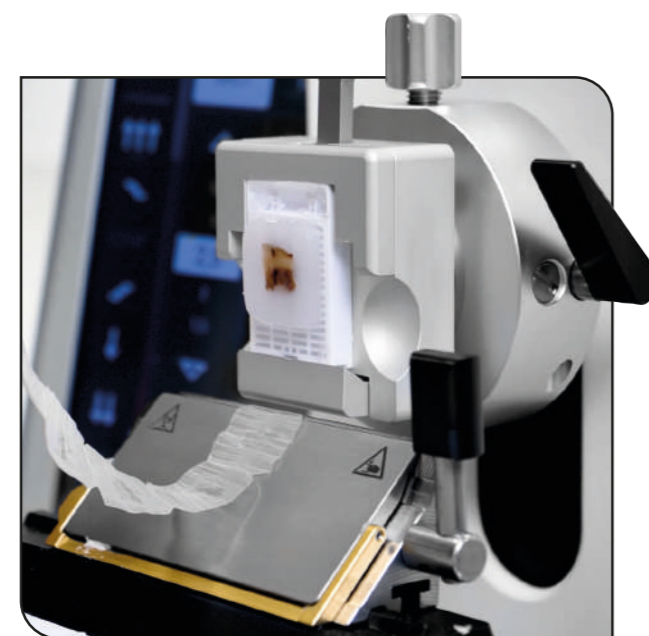
Blade holder slides sideways in both directions allowing the use of the entire cutting edge. It accepts low- and high-profile blades. All blade holders are equipped with finger guard for safety reasons.

### MOTORIZED SPECIMEN FEED

Motorized coarse feed modes of operation, continuous and by step, can be accessible through the touchscreen. In continuous mode, speed is selectable between slow and fast to ensure a controlled specimen approach. For rapid movement to the home position, integrated superfast backwards speed.

### SPECIMEN ORIENTING HEAD

Indication of 0-position in x and y direction by palpable "click" for the precise alignment of the specimen. The 360° rotational capability of the specimen clamp and 8° mobility range along the x and y-axis of the orienting specimen head enables higher precision and alignment.



### SPACIOUS WASTE TRAY

High volume waste tray (1.7 Liters) with special antistatic coating that prevents paraffin adhesion and minimizes the cleaning time. Additional design includes a surface for arm rest and an area on the top of the instrument for tool storage.

## EXCLUSIVE M-250 FEATURES

### LATERAL BUTTON

Embedded in the left side of the automatic microtome for speed/start-stop functions. It is possible to adjust the cutting speed while the motorized cutting is running.

### ELECTRONIC BRAKE

Once the automatic sectioning mode is paused, the electronic brake automatically activates, or alternatively, when sectioning manually, it can be activated by pressing the brake key on the touchscreen.

### EXTERNAL PANEL

The entire touch screen functions are integrated into the external control panel for higher adaptability to technicians' preferences.

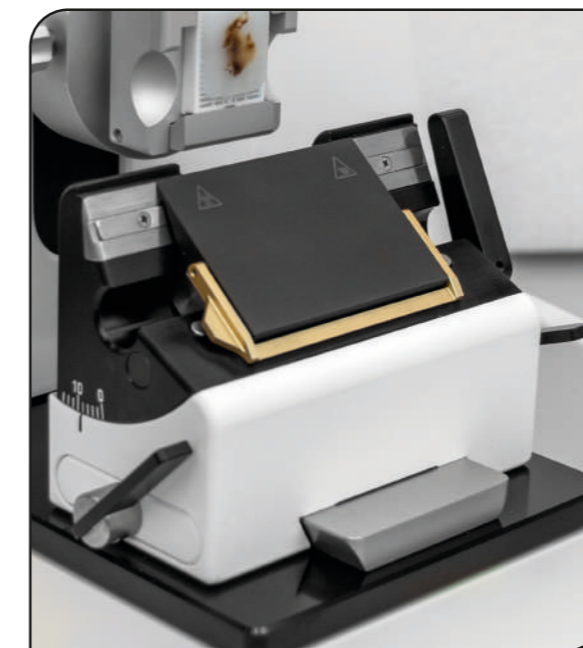
**Optionally available.**

### FOOTSWITCH

**Optionally available.**

## SMOOTH AND ERGONOMIC HANDWHEEL

The handwheel is perfectly balanced thanks to an innovative counterweight system and can be locked in any angular position. Cutting can be done by turning the handwheel clockwise or counterclockwise, and its motion smoothness minimizes user's fatigue.



## BLADE HOLDERS AND CLAMPS



## ORDERING INFORMATION

- M250-01** Microtome with knife carrier MR (for High and Low profile blades, lateral adjustment), quick release clamp.
- M240-01**
- M250-02** Microtome with knife carrier MR, (for High and Low profile blades, lateral adjustment), standard specimen clamp.
- M240-02**
- M250-03** Microtome with knife carrier ME (for High and Low profile blades, lateral adjustment), quick release clamp.
- M240-03**
- M250-04** Microtome with knife carrier ME, (for High and Low profile blades, lateral adjustment), standard specimen clamp.
- M240-04**

## 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

## ESSENTIAL ACCESSORIES

### DISPOSABLE BLADES



MCUT microtome disposable blades are aimed to section the specimens at a certain selected stable thickness through required technical expertise such as sophisticated heating processes and polishing/coating techniques.

REF.	Description	Edge angle	length x height x thickness
MCUT-3508	Disposable microtome blades (low profile)	35°	80 x 8 x 0,25 mm
MCUT-3514	Disposable microtome blades (high profile)	35°	80 x 14 x 0,25 mm