

Myr

Devoted to Histology ■

SEMI-AUTOMATED
ROTARY MICROTOME

M-240

The Cut at its Finest



SEMI-AUTOMATED ROTARY MICROTOME

M-240

The M-240 microtome from **Myr** uses state-of-the-art technology and embodies the company's commitment to quality and excellence in the microtomy.

It provides the operational convenience and the stability required for outstanding sectioning in routine, research and industry applications.



USER FRIENDLY INTERFACE

Full color TFT 7" display with PCAD (projected capacitive) touchscreen. Size and tilt of the display allow an easy and effortless selection of the parameters and increase user safety.

All required parameters and functions are available on the main screen: section mode, section and trimming thickness, section counter, section sum, remaining travel, retraction and coarse feed, memory function.

MEMORY FUNCTION

MEM key for higher productivity, to retrieve previous cuttings settings when working with uniform paraffin blocks. By simply pressing a key, the specimen moves into the stored MEM position.

Additional safety feature available to change the specimen safely by adding an extra "safety distance" to the position stored in memory.

SPACIOUS WASTE TRAY

Special antistatic coating prevents paraffin adhesion and minimizes the cleaning time.

Ergonomic design with surface for arm rest.

Wide area on the top of the microtome for the storage of tools.

SMOOTH AND ERGONOMIC HANDWHEEL

The handwheel is perfectly balanced thanks to an innovating counterweight system and can be locked in any angular position.

Cutting can be done by turning the handwheel clockwise or counterclockwise.

Smooth-working handwheel to minimize user fatigue.

SPECIMEN ORIENTING HEAD

Thanks to a blocking mechanism the easy to operate change system allows to work with different specimen clamps.

Indication of 0-position in x and y direction by palpable "click" for the precise alignment of the specimen.

QUICK RELEASE SPECIMEN CLAMP

Cutting-edge design of the specimen clamp that prevents building up of dirt and facilitates operations with the microtome.

The retraction function, that can be deactivated, helps extending the blade's shelf life.



MOTORIZED SPECIMEN FEED

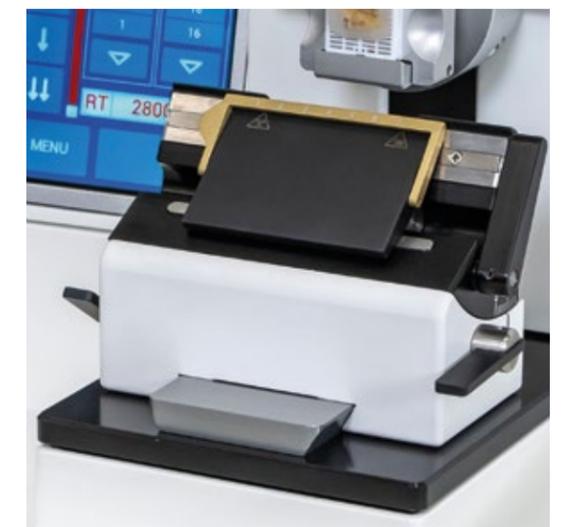
Precise, motorized coarse feed in two modes, continuous and step.

In continuous mode, speed is selectable between slow and fast to ensure a controlled specimen approach.

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.



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	Rotational or Rocking (selectable)

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
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Blade Holder Type	Two in One for high and low profile blades
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Max. specimen size (mm)	50x60x40 (w x h x d)
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Specimen orientation	± 8° horizontal and vertical Rotational capability: 360° Indication of 0-position by means of click (x and y)
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Power requirements	100-240 VAC / 50-60Hz
Consumption (VA)	40

Dimensions

Width (mm)	465
Depth with tray (mm)	540
Height (mm)	298
Weight (kg)	33,9



M240-4000



M240-4100



M240-2200



M240-2100

ORDERING INFORMATION

- M240-01:** Microtome with knife carrier MR (for High and Low profile blades, lateral adjustment), quick release clamp.
- M240-02:** Microtome with knife carrier MR, (for High and Low profile blades, lateral adjustment), standard specimen clamp.
- M240-03:** Microtome with knife carrier ME (for High and Low profile blades, no lateral adjustment), quick release clamp.
- M240-04:** Microtome with knife carrier ME, (for High and Low profile blades, no lateral adjustment), standard specimen clamp.

OPTIONAL ACCESSORIES

- 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)
- M240-4000:** Knife carrier for disposable blades, model MR
- M240-4100:** Knife carrier for disposable blades, model ME
- M240-4200:** Knife carrier for standard knives, model MN
- M240-4300:** Knife carrier for standard knives, model MC

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