

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, date and time.

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.

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, preserves the blade in its upswing movement.





SPACIOUS WASTE TRAY

Special antistatic coating prevents paraffin adhesion and minimize the cleaning time. Ergonomic design with surface for arm rest.

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

STABLE KNIFE CARRIER SYSTEM

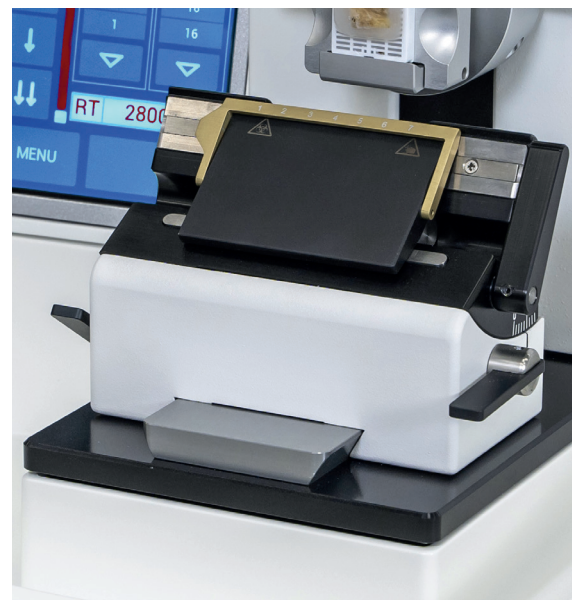
Blade holder slides sideways in both directions allowing use of the entire cutting edge and accepting low- and high-profile blades. All blade holders are equipped with finger guard for safety reasons.

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.

SMOOTH HANDWHEEL

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

Smooth-working handwheel to minimize muscle strain.



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 \pm 1mm
Vertical stroke (mm)	72 \pm 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: 40 μ 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
Blade Holder Type	Two in One for high and low profile blades
Max. specimen size (mm)	50x60x40 (w x h x d)
Specimen orientation	\pm 8 $^\circ$ horizontal and vertical Rotational capability: 360 $^\circ$ Indication of 0-position by means of click (x and y)
Power requirements	
Consumption (VA)	100-240 Volt / 50-60Hz 40
Dimensions	
Width (mm)	465
Depth with tray (mm)	540
Height (mm)	298
Weight (kg)	33,9



Knife carrier MR



Knife carrier ME



Universal specimen clamp



Standard specimen clamp

ORDERING INFORMATION

M-240-01: Microtome with knife carrier MR (for High and Low profile blades, lateral adjustment), quick release clamp.

M-240-02: Microtome with knife carrier MR, (for High and Low profile blades, lateral adjustment), standard specimen clamp.

M-240-03: Microtome with knife carrier ME (for High and Low profile blades, no lateral adjustment), quick release clamp.

M-240-04: 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

Especialidades M3dicas Myr S.L

ISO 9001 / 13485 certified company

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