

# Floorstanding Cryostat MNT

The fully automatic floorstanding model  
with optional extra features

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M A I N Z

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Weight and Dimensions	Depth x Width x Height	
Dimensions (in mm)	760 x 750 x 1140	
Dimensions packed (in mm)	880 x 840 x 1330	
Weight net	110 kg	
Weight packed	170 kg	
Electrical parameters	Art.-No.	230 V / 50 Hz
	Art.-No. 1015000	230 V / 60 Hz
	Art.-No. 1015100	115 V / 60 Hz
	Art.-No. 1015200	100 V / 50 Hz
	Art.-No. 1015300	100 V / 60 Hz
	Art.-No. 1015400	

Please ask for other units for Histopathology and consumables as well as laminar flow equipment.



Benchtop Cryostat MTC –  
optional with height adjustable support



Floorstanding Cryostat MEV

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Microtomes

Cryostats

MTC

MEV

► MNT

Paraffin

Embedding Centers

Tissue processors

Stainers

Cover slipper

Knife sharpener

Floating bath

Slide warmer



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The model MNT has a rotary microtome with motorised advance / return and cutting stroke.

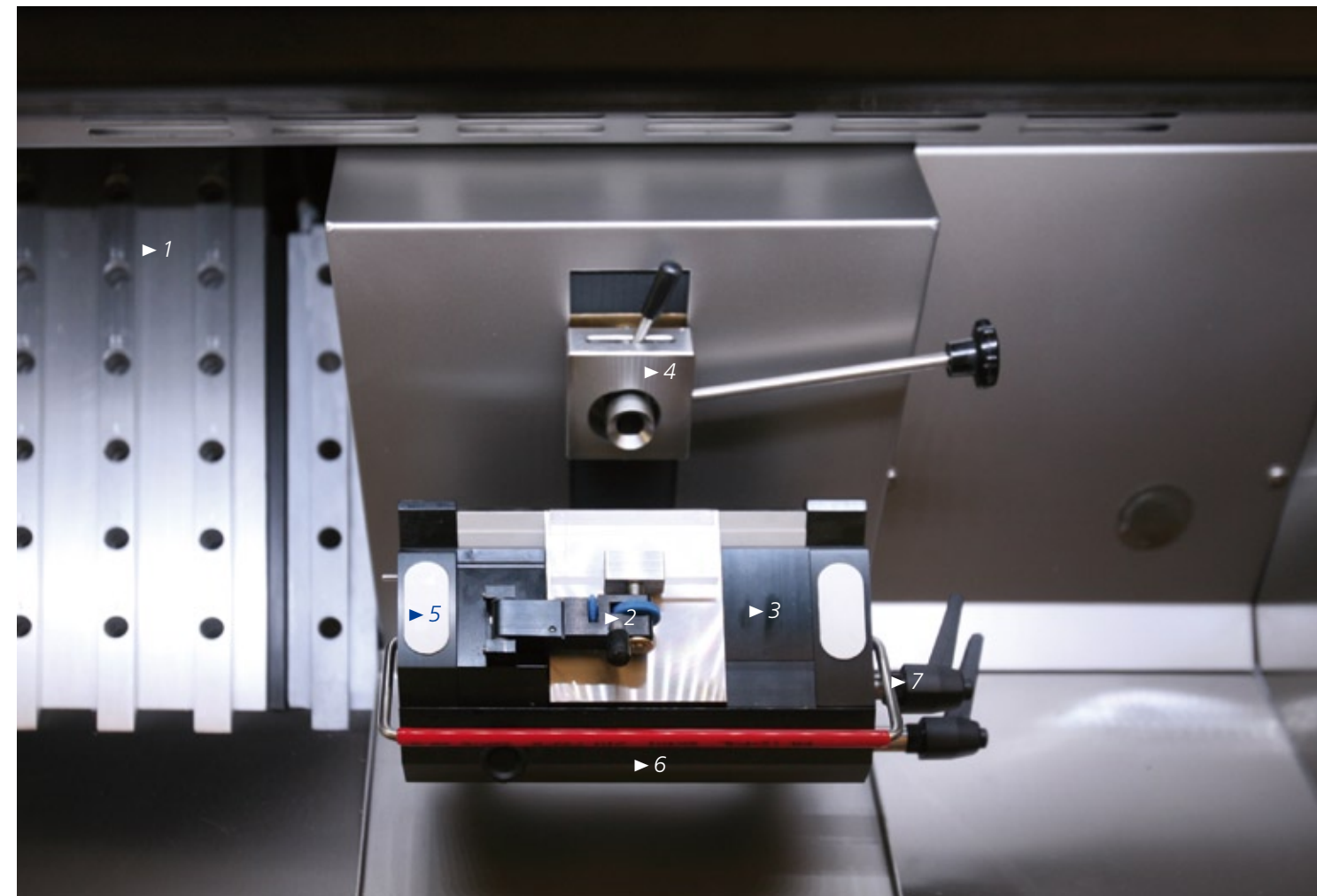
- ▶ Modern rotary microtome with motorised  $\mu\text{m}$  advance/return and coarse advance for use of standard knife holder or disposable blade holder (exchangeable)
- ▶ Cutting motor with adjustable speed
- ▶ New anti-roll unit with large anti-roll plate
- ▶ Viewing window consists of dual insulation glass, frost-free
- ▶ Clear electronic control for chamber temperature, automatic defrost and LED-light, with real time clock, with power-saving weekend mode
- ▶ Fully adjustable automatic defrost, several times per day possible
- ▶ Low temperature storage area for 24 specimen holders
- ▶ Optional:
  - Shock-freezing to  $-60^{\circ}\text{C}$
  - Peltier shock freezing to  $-55^{\circ}\text{C}$  (2 positions)
  - Specimen cooling to  $-45^{\circ}\text{C}$
  - Debris extraction
  - Automatic disinfection system on thermal and chemical basis
  - UV-C disinfection

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1. Electronic control with foil pad operation and LCD display
2. Key control for section thickness adjustment etc.
3. Compact, reliable cooling system with CFC-free cooling gas R 404 A
4. Handwheel
5. Frost-free insulation glass
6. Rim-heating system for insulation glass
7. Hand wheel lock, ideally positioned
8. Large chamber with drain for hygienic cleaning

Technical Data	
Cooling capacity	to $-40^{\circ}\text{C}$
Section thickness range	0 – 2 $\mu\text{m}$ in 0,5 $\mu\text{m}$ steps 2 – 20 $\mu\text{m}$ in 1 $\mu\text{m}$ steps 20 – 50 $\mu\text{m}$ in 2 $\mu\text{m}$ steps 50 – 100 $\mu\text{m}$ in 5 $\mu\text{m}$ steps
Trimming adjustable	from 0 – 300 $\mu\text{m}$ , free programmable
Specimen holder	22 or 35 mm dia. with rubber surround for handling comfort
Specimen support	orientable on 3 planes, XY-Axes $8^{\circ}$ , Z-Axes $360^{\circ}$
Vertical stroke	57 mm
Horizontal specimen advance	28 mm



1. 24 freezing positions to  $-45^{\circ}\text{C}$
2. Anti-roll assembly
3. Standard knife holder (for steel- or hard metal knives) or disposable blade holder
4. Object orientation: XY Axes  $8^{\circ}$ , Z-Axes  $360^{\circ}$   
Specimen holder 22 or 35 mm dia. with rubber surround for handling comfort
5. Plastic freeze protection for comfortable operation
6. Knife holder base
7. Integrated finger protection