

FLOORSTANDING CRYOSTAT TYPE MNT

TECHNICAL DATA MNT

- chamber temperature down to - 40 °C
- 24 freezing positions
- rotary microtome with base and optional disposable blade- or standard knife holder
- section thickness 0 - 60 µm
- vertical stroke 57 mm
- horizontal specimen advance 40 mm
- easy to operate, minimum service requirement
- automatic defrost, fully programmable

	Height x Width x Depth
Dimensions (in mm)	1.160 x 750 x 750
Dimensions packed	1.350 x 800 x 800

Weight net	175 kg
Weight gross	210 kg

Electrical Data

Art.No. 10060	230 V, 50 Hz
Art.No. 10061	230 V, 60 Hz
Art.No. 10062	115 V, 60 Hz

Options

Art.No. 10063	shock-freezing
Art.No. 10064	specimen cooling
Art.No. 10065	shock-freezing + specimen cooling
Art.No. 10066	disinfection with debris extraction
Art.No. 10067	debris extraction

Please enquire about our additional products

- Histology Equipment
- Histology Consumables
- Laminar-Flow-Modules and -Equipment



MNT chamber and controller



MTC - benchtop unit



MEV - economic floorstanding model

(Specifications are subject to change without notice)

SLEE

MAINZ

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SLEE

CRYOSTAT TYPE MNT



The floorstanding model with optional extra features

In 1954 SLEE developed the first freezing microtomes, in cooperation with Prof. A.G.E. Pearse. More than 5.000 units have been supplied worldwide.

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

The four optional extra features are shock-freezing down to - 60 °C, specimen cooling down to - 45 °C, debris extraction and automatic disinfection system including debris extraction.



SLEE FLOORSTANDING CRYOSTAT TYPE MNT

Thermal spray disinfection with automatic programme (Option)

Specimen cooling down to - 45°C (Option)

Five positions shock-freezing system down to - 60°C (Option)

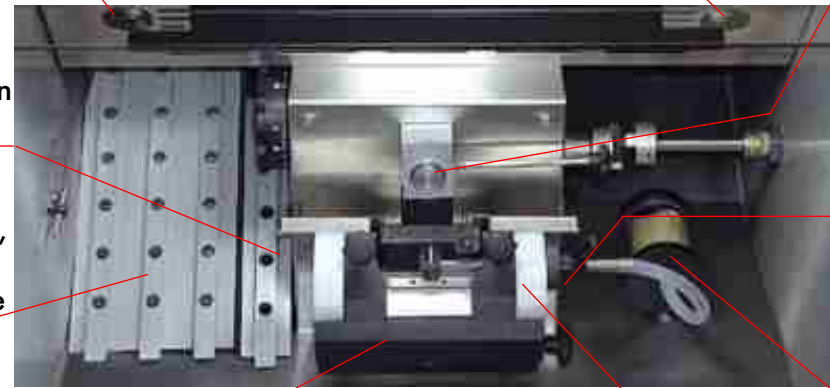
Knife holder base with standard steel knife or disposable blade holder, knife angle adjustment 0-30°

24 freezing positions, approx. 10°C below chamber temperature

Debris extraction with filter (Option or included with disinfection system)

Two speed motorised advance / return of knife holder

Plastic freeze protection for comfortable operation



Electronic control with foil pad operation and LED display

Condensationfree double-glazed window. Integrated lighting

Two speed advance and return

Emergency stop

Large chamber with drain for hygienic cleaning

Motor control with serial and single cutting

Compact reliable cooling system, ventilated, high capacity compressor with CFC-free coolant. Independent cooling system installed for shock-freezing and/or specimen cooling

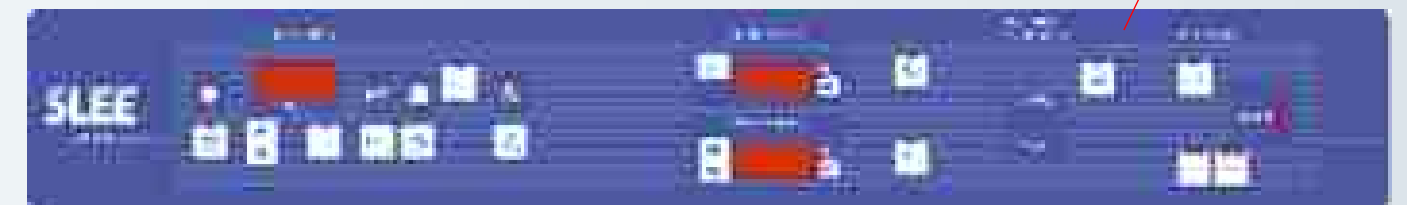
Userfriendly handwheel lock

Containers for disinfection fluid and

Operating pad



- Cooling capacity down to - 40°C
- Modern rotary microtome with retraction, motorised cutting, motorised advance and return with slow and fast speed
- Section thickness adjustment range from 0 - 60 µm
 - increments of 1µm-Steps from 0 to 10 µm
 - of 2µm-Steps from 10 to 20 µm
 - of 5µm-Steps from 20 to 60 µm
- Specimen holders 30 mm dia or 50 mm dia with rubber surround for handling comfort
- Section thickness adjustment, motorised advance and return via knife carrier
- Vertical stroke 57 mm
- Horizontal specimen advance 40 mm
- Options
 - ① Shock freezing system down to - 60°C
 - ② 60°C
 - ③ Specimen cooling down to - 45°C
 - ④ Debris extraction system
 - Disinfection system with automatic



- Strong, tolerance-free rotary microtome
- Easily accessible due to the ideal chamber design with plenty of storage space
- Ease of operation and minimum service requirements
- Reliable, simple electronic control for chamber temperature, defrost, lighting, and real time clock
- LED display of temperature for shock freezing system, specimen cooling and disinfection sequence options
- Automatic defrost, fully programmable, including multiple defrosts per day