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slee solutions for pathology

CRYOSTATS
MEV / MEV + / MNT

ROUTINE AND HIGH-END CRYOSTATS
FOR A WIDE RANGE OF APPLICATIONS
IN HISTOPATHOLOGY AS WELL AS IN INDUSTRY.
BEST ERGONOMIC FEATURES AND EFFICIENCY.

DESIGN &
MANUFACTURING
MADE IN GERMANY

MEV / MEV +

Routine cryostat

The model **MEV** features convenient operation and a modern rotary microtome. The space-saving design has a large stainless steel cryo-chamber, an effective freezing bar with 24 positions and a cryochamber cooling temperature down to $-35\text{ }^{\circ}\text{C}$.

Many years of experience in this market and regular feedback from customers enable us to provide the **MEV +** cryostat, covering the most common requirements most frequently needed in routine histology. The device is equipped with UV-C surface disinfection, 2 quick freezing positions and object cooling.



Highlights

- Modern rotary microtome with high-precision automatic feed
- Integrated section counter
- Large anti-roll plate
- Intuitive control
- Automatic defrost
- 24 freezing positions
- Extraction system (optional)
- 2 quick freezing positions (optional)
- UV-C disinfection (optional)
- Object cooling (optional)

	Item No.
MEV 230 V, 50/60 Hz	10150000
MEV 115 V, 60 Hz	10153000

	Item No.
MEV + 230 V, 50/60 Hz	10150700
MEV + 115 V, 60 Hz	10150701

MEV + including: UV-C disinfection, 2 quick freezing positions and object cooling

Standard components

Anti-roll plate

Specimen holders (5 x Ø 22 mm; 5 x Ø 35 mm)

Section counter

Disposable blade holder

(alternatively: standard knife holder)

Heat extractor (1 pcs.)

Rack for specimen holders (stainless steel)

Disposable blades (box with 50 pcs.)

CryoGlue embedding medium (125 ml)

Cryostat low temperature oil (50 ml)

Set of Allen keys

Clear-cut brush

Mains cable

Manual

Specifications

Cryochamber temperature 0 °C down to -35 °C

Section thickness range

0.5 - 100 µm

Section thickness settings

0.5 - 2 µm in 0.5-µm-steps
2 - 20 µm in 1-µm-steps
20 - 50 µm in 2-µm-steps
50 - 100 µm in 5-µm-steps

Trim thickness settings

0.5 - 750 µm
0.5 - 2 µm in 0.5-µm-steps
2 - 20 µm in 1-µm-steps
20 - 50 µm in 2-µm-steps
50 - 150 µm in 5-µm-steps
150 - 750 µm in 10-µm-steps

Horizontal advance

28 mm

Vertical stroke

58 mm

Specimen retraction

0 - 200 µm, selectable

Specimen orientation, horizontal

8°

Specimen orientation, vertical

8°

Specimen orientation, z axis

360°

Electrical parameters

115 V, 60 Hz | 230 V, 50/60 Hz

Dimensions (W x D x H)

MEV

680 x 760 x 1.110 mm

MEV + and all devices

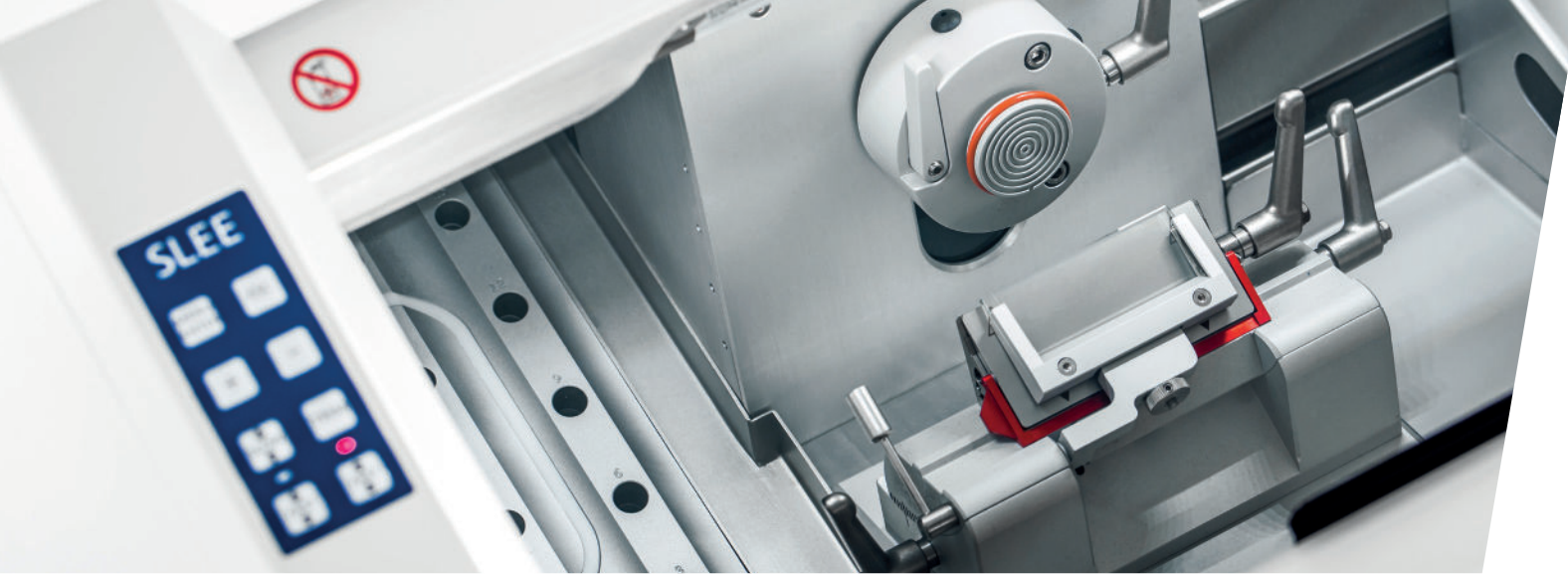
750 x 760 x 1.100 mm

with object cooling option

Weight w/o accessories

127 kg MEV

154 kg MEV +



MEV stainless steel cryochamber with modern rotary microtome

Options

	Item No.
2 quick freezing positions	10159000
UV-C disinfection 230 V, 50/60 Hz	10169000
UV-C disinfection 115 V, 60 Hz	10169001
Object cooling 230 V, 50/60 Hz	10164000
Object cooling 115 V, 60 Hz	10164200
Debris extraction system 230 V, 50/60 Hz	10167000
Debris extraction system 115 V, 60 Hz	10167200

Optional accessories

	Item No.
Standard knife holder	10156010
Section waste cloth (set of 10 pcs.)	30000015
Specimen holder (Ø 22 mm; 5 pcs.)	30000002
Specimen holder (Ø 28 mm; 5 pcs.)	30000017
Specimen holder (Ø 35 mm; 5 pcs.)	30000000
Specimen holder (Ø 50 mm; 5 pcs.)	30000003
Rack for specimen holders (stainless steel)	31000769
Cork plates (Ø 20 mm; 100 pcs.)	30001001
CryoGlue embedding medium (4 x 125 ml)	30001100
Clear-cut brush	30001030
Anti-roll plate (disposable blade holder, plastic)	32001050
Anti-roll plate (standard knife holder, plastic)	32001049
Steel knife (16 cm-C-profile, 1 pcs.)	28000026
Disposable blades (cf. consumables)	
Ergosit laboratory chair	10157010

MNT

High-end cryostat

The **MNT** high-end cryostat is designed for histopathology and research applications. The device is equipped with a fully automatic rotary microtome with extremely high mechanical stability and backlash-free roller guides. Furthermore, the device has a state-of-the-art control system.



Highlights

- Modern rotary microtome with high-precision automatic feed
- Integrated section counter
- Cutting motor with variable speed
- Large anti-roll plate
- Intuitive control
- Automatic defrost
- 24 freezing positions
- Extraction system (optional)
- 2 quick freezing positions (optional)
- UV-C disinfection (optional)
- Object cooling (optional)

Item No.**MNT 230 V, 50/60 Hz** 10160000**MNT 115 V, 60 Hz** 10162000

Standard components

Anti-roll plate**Specimen holders** (5 x Ø 22 mm; 5 x Ø 35 mm)**Section counter****Disposable blade holder**
(alternatively: standard knife holder)**Heat extractor** (1 pcs.)**Foot switch** for motor drive**Rack for specimen holders** (stainless steel)**Disposable blades** (box with 50 pcs.)**CryoGlue embedding medium** (125 ml)**Cryostat low temperature oil** (50 ml)**Set of Allen keys****Clear-cut brush****Mains cable****Manual**

Specifications

Cryochamber temperature 0 °C down to -35 °C**Section thickness range** 0.5 - 100 µm**Section thickness settings**
0.5 - 2 µm in 0.5-µm-steps
2 - 20 µm in 1-µm-steps
20 - 50 µm in 2-µm-steps
50 - 100 µm in 5-µm-steps**Trim thickness settings**
0.5 - 750 µm
0.5 - 2 µm in 0.5-µm-steps
2 - 20 µm in 1-µm-steps
20 - 50 µm in 2-µm-steps
50 - 150 µm in 5-µm-steps
150 - 750 µm in 10-µm-steps**Horizontal advance** 28 mm**Vertical stroke** 58 mm**Sectioning speed** 20 - 300 mm/s, selectable**Specimen retraction** 0 - 200 µm, selectable**Specimen orientation, horizontal** 8°**Specimen orientation, vertical** 8°**Specimen orientation, z axis** 360°**Electrical parameters** 115 V, 60 Hz | 230 V, 50/60 Hz**Dimensions (W x D x H)** 750 x 760 x 1.100 mm**Weight w/o accessories** 154 kg



MNT stainless steel cryochamber with modern rotary microtome and specimen holder

Options

	Item No.
2 quick freezing positions	10159000
UV-C disinfection 230 V, 50/60 Hz	10169000
UV-C disinfection 115 V, 60 Hz	10169001
Object cooling 230 V, 50/60 Hz	10164000
Object cooling 115 V, 60 Hz	10164200
Debris extraction system 230 V, 50/60 Hz	10167000
Debris extraction system 115 V, 60 Hz	10167200

Optional accessories

	Item No.
Standard knife holder	10156010
Section waste cloth (set of 10 pcs.)	30000015
Specimen holder (Ø 22 mm; 5 pcs.)	30000002
Specimen holder (Ø 28 mm; 5 pcs.)	30000017
Specimen holder (Ø 35 mm; 5 pcs.)	30000000
Specimen holder (Ø 50 mm; 5 pcs.)	30000003
Rack for specimen holders (stainless steel)	31000769
Cork plates (Ø 20 mm; 100 pcs.)	30001001
CryoGlue embedding medium (4 x 125 ml)	30001100
Clear-cut brush	30001030
Anti-roll plate (disposable blade holder, plastic)	32001050
Anti-roll plate (standard knife holder, plastic)	32001049
Steel knife (16 cm-C-profile, 1 pcs.)	28000026
Disposable blades (cf. consumables)	
Ergosit laboratory chair	10157010