

# MNT MEV / MEV+

Cryostats

**SLEE** medical



Highest precision

User friendly ergonomics

Highly efficient

Automated disinfection

DESIGN AND MANUFACTURING  
MADE IN GERMANY





## MNT

### High-end cryostat

The MNT high-end cryostat is designed for histology/pathology and research applications. The instrument is equipped with a fully automatic rotary microtome with extremely high mechanical stability and state of the art electronic control.

### Highlights

- Modern rotary microtome with motorized  $\mu\text{m}$  advance/return
- Cutting motor with variable speed
- Large anti-roll plate
- Heated viewing window (glass, electrically conductive coating, transparent)
- Intuitive control panel
- Automatic defrost
- Storage area for 24 specimen holders
- 2 x Quick freezing positions (optional)
- UV-C disinfection (optional)
- Object cooling (optional)

### Standard Components

#### Basic instrument

#### Fully-automatic rotary microtome

#### Anti-roll plate

#### Specimen holders (5 x $\varnothing$ 22mm; 5 x $\varnothing$ 35mm)

#### 1 x Heat extractor

#### 1 x Rack for specimen holders (stainless steel)

#### 1 Box of disposable blades (50 pcs.) or 1 steel knife (16cm C-profile)

#### 1x CryoGlue embedding medium (1 x 125ml)

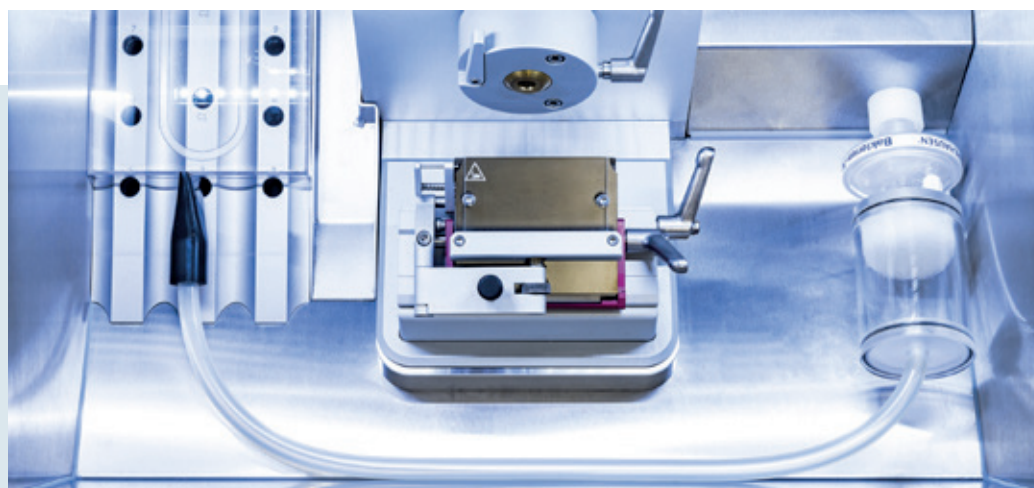
#### 1x Bottle cryostat low temperature oil

#### Set of allen keys

#### Brush

#### Operation manual

#### Mains cable



MNT cryochamber with fully-automatic rotary microtome and debris extraction system (optional)

## Specifications

<b>Cryochamber temperature</b>	0°C to -35°C
<b>Section thickness setting range</b>	0.5–100µm
<b>Section thickness selection</b>	0.5–2µm in 0.5-µm steps 2–20µm in 1-µm steps 20–50µm in 2-µm steps 50–100µm in 5-µm steps
<b>Trimming thickness</b>	0.5–750µm
<b>Horizontal specimen advance</b>	28mm
<b>Vertical specimen stroke</b>	58mm
<b>Sectioning speed</b>	20–300mm/s, selectable
<b>Specimen retraction</b>	0–200µm; selectable on return stroke
<b>Specimen orientation, horizontal</b>	8°
<b>Specimen orientation, vertical</b>	8°
<b>Specimen orientation, z-axis</b>	360°
<b>Dimensions</b> (width x depth x height)	750 x 760 x 1,110mm
<b>Weight</b> without accessories	154kg

## Options

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

## Optional accessories

	Item No.
<b>Standard knife holder*</b>	10156010
<b>Section waste cloth</b>	30000015
<b>Specimen holder</b> (Ø 22mm; 5 pcs.)	30000002
<b>Specimen holder</b> (Ø 28mm; 5 pcs.)	30000017
<b>Specimen holder</b> (Ø 35mm; 5 pcs.)	30000000
<b>Specimen holder</b> (Ø 50mm; 5 pcs.)	30000003
<b>Rack for specimen holders</b> (stainless steel)	31000769
<b>Cork plate</b> (100 pcs; Ø 20mm)	30001001
<b>CryoGlue embedding medium</b> (4 x 125ml)	30001100
<b>Clear-cut brush</b>	30001030
<b>Anti-roll plate</b> (disposable blade holder)	32001050
<b>Anti-roll plate</b> (standard knife holder)	32001049
<b>Disposable blade</b> (low profile; 50 pcs)	28407000
<b>Disposable blade</b> (high profile; 50 pcs)	28408000

\* Either standard knife holder or disposable blade holder is included in standard components

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

MNT 115V, 60Hz Item No. 10162000



## MEV/MEV+

### Routine cryostat

The model MEV features convenient operation and a modern rotary microtome. The space-saving design still has a large stainless steel chamber, an effective freezing bar with 24 positions and a cryo chamber temperature down to -35°C.

The model MEV+ covers the requirements for a cryostat that is most frequently needed in routine histology. This is approved by our long experience in this market and regular customer feedback. This instrument is equipped with UV-C surface disinfection, 2 x Quick freezing positions and Object cooling.

### Highlights

- Modern rotary microtome with motorized  $\mu\text{m}$  advance/return
- Large anti-roll plate
- Heated viewing window (glass, electrically, conductive coating, transparent)
- Intuitive electronic control panel
- Automatic defrost
- 2 x Quick freezing positions (optional)
- UV-C disinfection (optional)
- Object cooling (optional)
- Storage area for 24 specimen holders

### Standard Components\*

#### Basic instrument

#### Semi-automatic rotary microtome

#### Anti-roll plate

#### Specimen holders (5 x $\varnothing$ 22mm; 5 x $\varnothing$ 35mm)

#### 1 x Heat extractor

#### 1 x Rack for specimen holders (stainless steel)

#### 1 Box of disposable blades (50 pcs.)

#### 1 x CryoGlue embedding medium (1 x 125ml)

#### 1 x Bottle cryostat low temperature oil

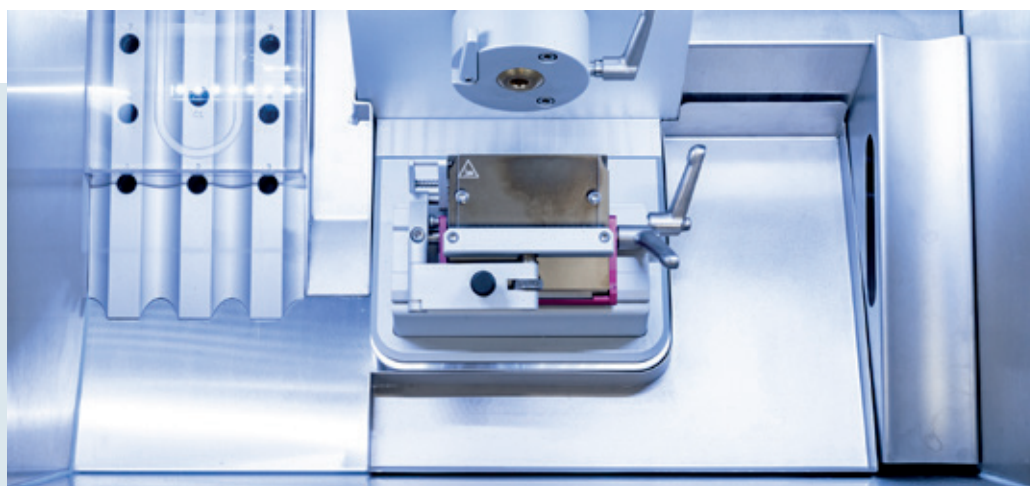
#### Set of allen keys

#### Brush

#### Operation manual

#### Mains cable

\* Either standard knife holder or disposable blade holder is included in standard components



MEV cryochamber with semi-automatic rotary microtome

## Specifications

<b>Cryochamber temperature</b>	0°C to -35°C
<b>Section thickness setting range</b>	0.5–100µm
<b>Section thickness selection</b>	0.5–2µm in 0.5-µm steps 2–20µm in 1-µm steps 20–50µm in 2-µm steps 50–100µm in 5-µm steps
<b>Trimming thickness</b>	0.5–750µm
<b>Horizontal specimen advance</b>	28mm
<b>Vertical specimen stroke</b>	58mm
<b>Specimen retraction</b>	0–200µm; selectable on return stroke
<b>Specimen orientation, horizontal</b>	8°
<b>Specimen orientation, vertical</b>	8°
<b>Specimen orientation, z-axis</b>	360°
<b>Dimensions</b>	
<b>MEV</b>	680 x 760 x 1,110mm
<b>MEV+ and instruments with option Object cooling</b>	750 x 760 x 1,100mm (width x depth x height)
<b>Weight</b>	
without accessories	127kg MEV 154kg MEV+

## Options

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

## Optional accessories

	Item No.
<b>Standard knife holder*</b>	10156010
<b>Section waste cloth</b>	30000015
<b>Specimen holder (Ø 22mm; 5 pcs.)</b>	30000002
<b>Specimen holder (Ø 28mm; 5 pcs.)</b>	30000017
<b>Specimen holder (Ø 35mm; 5 pcs.)</b>	30000000
<b>Specimen holder (Ø 50mm; 5 pcs.)</b>	30000003
<b>Rack for specimen holders (stainless steel)</b>	31000769
<b>Cork plate (100 pcs; Ø 20mm)</b>	30001001
<b>CryoGlue embedding medium (4 x 125ml)</b>	30001100
<b>Clear-cut brush</b>	30001030
<b>Anti-roll plate (disposable blade holder)</b>	32001050
<b>Anti-roll plate (standard knife holder)</b>	32001049
<b>Disposable blade (low profile; 50 pcs)</b>	28407000
<b>Disposable blade (high profile; 50 pcs)</b>	28408000

\* Either standard knife holder or disposable blade holder is included in standard components

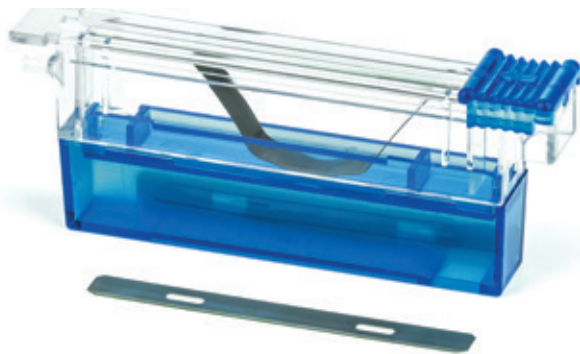
**MEV 230V, 50/60Hz** Item No. **10150000**  
**MEV 115V, 60Hz** Item No. **10153000**

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

**MEV+ including:**  
2 x Quick freezing positions, UV-C disinfection and Object cooling

## Best section quality in routine and research laboratory

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High Quality plasma blades

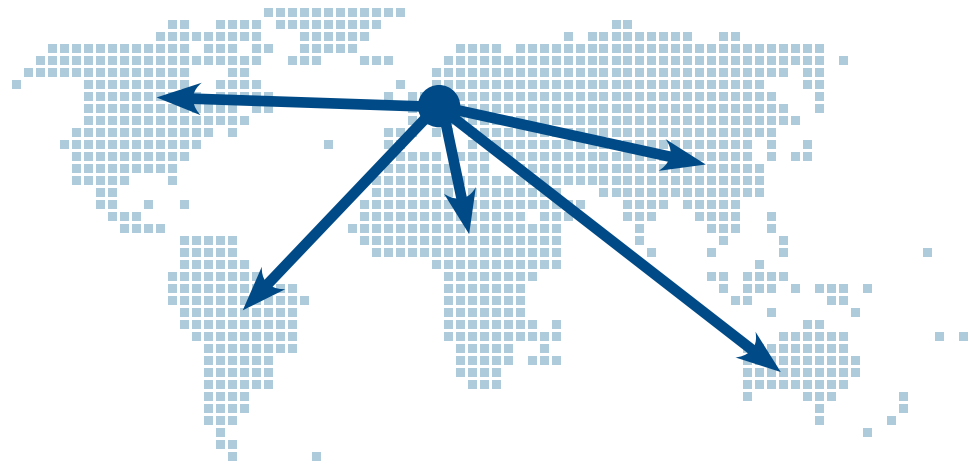


High Quality slides

## Cooperation with distribution partners all over the globe.

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