

Product Specification



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| Product: | MNT |
| | 230 V, 50-60 Hz |
| Art.No.: | 10160000 |
| Commodity Code: | 90279010 |

Highlights

- Modern rotary microtome with motorized μm advance/return
- Cutting motor with adjustable speed
- Storage area for 24 specimen holders
- Large anti-roll plate
- Heated viewing window (glass, electrically, conductive coating, transparent)
- Automatic defrost
- 2x Shock freezing positions (optional)
- UV-C disinfection (optional)
- Object cooling (optional)

Standard Accessories

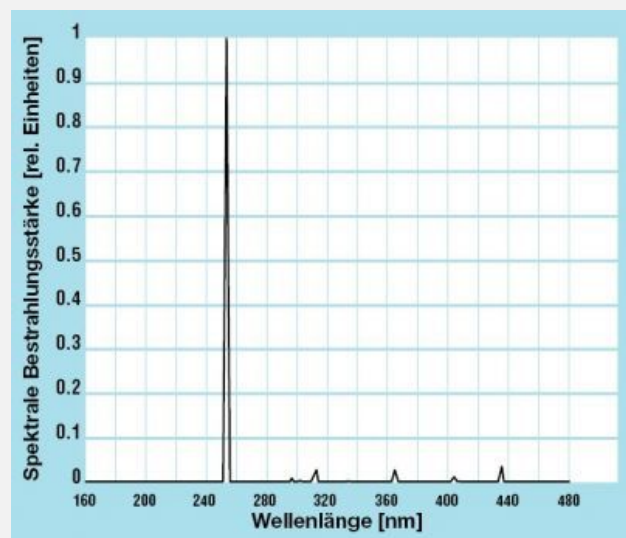
- Basic instrument with fully automatic rotary microtome
- Object holders (5x \varnothing 22 mm; 5x \varnothing 35 mm), 1x Rack for object holders (stainless steel)
- 1x Heat extractor
- 1x Brush, 1x Brush shelf
- Section Waste Tray
- Anti-roll plate, ready to use
- 1x Bottle cryostat low temperature oil
- 1x CryoGlue embedding medium (4x 125 ml)
- 1 Box of disposable blades (50 pcs.) or 1 steel knife (16 cm C-profile)
- Set of allen keys
- Operation manual
- Mains cable

Cryochamber



UV-C disinfection (optional)

- Surface Disinfection at 254 nm
- No chemicals or toxic compounds
- No formation of resistance
- 99,99 % efficiency
- Comfortable and quick procedure
- Safety sensors



SPECIFICATIONS

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| Nominal supply voltage: | 230 V AC +/- 10% |
| Nominal frequency: | 50 / 60 Hz |
| Power draw: | 860 VA / 1380 VA +specimen cooling (optional) |
| Protective class: | (1) I |
| Power fuses: | 2x T 10 A |
| Pollution degree: | (1) 2 |
| Overvoltage installation category: | II |
| Maximum heat emission: | 860 J/s / 1380 J/s +specimen cooling (optional) |
| Operating temperature range: | +10 °C to +35 °C |
| Temperature range during storage: | +5 °C to +55 °C |
| Relative humidity: | max. 80% non condensing |
| Humidity during storage: | < 8% |
| (1) According to IEC 1010, EN 61010 | |
| Cryochamber | |
| Material: | Stainless steel |
| Dimensions [W x D x H]: | 490 x 550 x 400 mm |
| Illumination: | LED |
| Temperature range: | 0 °C to -35 °C, +/- 5 K, adjustable in 1 K steps |
| UV-C disinfection (optional): | 254 nm Programmable, Safety sensors |
| Specimen cooling (optional): | Temperature setting range: -10 °C to -50°C, +/- 3 K Double compressor, refrigerant: R 404 a |
| Specimen preparation positions: | 24x positions, 10°C lower than chamber temperature |
| QuickFreeze specimen preparation positions (optional): | 2x positions, down to -55 °C |
| Section thickness setting range: | 0 - 100 µm |
| Section thickness selection: | 0 - 2 µm in 0,5 µm, 2 - 20 µm in 1 µm 20 - 50 µm in 2 µm, 50 - 100 µm in 5 µm |
| Trimming thickness setting range: | 0,5 - 750 µm |
| Section motor speed: | 3 - 300 mm/s, free programmable |
| Section modes: | Manual, motorised (trimming, single, continuous) |
| Horizontal specimen feed: | 28 mm |
| Vertical stroke: | 58 mm |
| Maximum specimen size: | 50 mm |
| Coarse feed: | motorised, 2 speeds (600 µm/s / 3000 µm/s) |
| Specimen retraction: | 0 - 200 µm, free programmable |
| Specimen orientation, horizontal: | 8° |
| Specimen orientation, vertical: | 8° |
| Specimen orientation, z-axis: | 360° |
| Cooling time RT to -25°C: | approx. 5 h |
| Cooling time to -35°C: | approx. 6 h |
| Refrigeration capacity: | 640 W |
| Refrigerant: | R 449 a |
| Automatic Defrost: | automatic hot gas defrosting, temperature and time controlled manual defrosting on demand |
| Dimensions and weight [W x D x H]: | 680 mm x 760 mm x 1110 mm |
| Weight [w/o accessories]: | 127 kg |

Optional Accessories

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| Standard Knife Holder, 3-component Disposable Blade Holder (for low and high profile blades), Disposable Blade Holder (TC 65 blades), | Art.No.: #10156010 Art.No.: #10157004 Art.No.: #10157007 |
| 2x Quick freezing positions, | Art.No.: #10159000 |
| UV disinfection, | Art.No.: #10169000 |
| Specimen cooling 230 V, 50/60 Hz, | Art.No.: #10164000 |
| USV, briding time up to 15 min, low audible noise <45db(A) | Art.No.: #10150500 |
| Heat extractor block, | Art.No.: #31000253 |
| Object holder (Ø 22 mm), Object holder (Ø 35 mm), Object holder (Ø 28 mm), Object holder (Ø 50 mm), | Art.No.: #30000002 Art.No.: #30000000 Art.No.: #30000017 Art.No.: #30000003 |
| Cork plate (100 pcs.; Ø 20 mm), | Art.No.: #30001001 |
| CryoGlue embedding medium (4x 125 ml), | Art.No.: #30001100 |
| clear-cut Brush, | Art.No.: #30001030 |
| Anti-roll plate (disposable blade holder), Anti-roll plate (standard knife holder), | Art.No.: #32001050 Art.No.: #32001049 |
| Disposable blade (low profile; 50 pcs.), Disposable blade (high profile; 50 pcs.), Disposable blade (low profile; 50 pcs.) , Plasma LPH, for hard specimen | Art.No.: #28407000 Art.No.: #28408000 Art.No.: #28407004 |
| Disposable blade (lowprofile; 50 pcs.), Plasma LPS, for soft specimen | Art.No.: #28407005 |
| Disposable blade (high profile; 50 pcs.), Plasma HPS, for soft specimen | Art.No.: #28407006 |
| Disposable blades (TC65; 1 pcs.), | Art.No.: #28406000 |
| Freezing spray (173 g) , | Art.No.: #30001010 |
| Cryostat low temperature oil (50 ml) , | Art.No.: #30001011 |
| Disinfection spray (250 ml) , | Art.No.: #30001200 |

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