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Heavy Sledge Microtome-L



SECTIONS / KNIVES / FEED

- Section thickness ranging from 1 to 1,000 μm , adjustable in 1 μm intervals
- Sectioning speed ranging from 1 to 125 mm/s, continuously adjustable
- Vertical knife stroke distance: 70 mm
- Knife retraction: freely adjustable from 100 to 2000 μm
- Knife clearance angle adjustment freely configurable from 0° to -25°
- Knife declination freely configurable in both ways from 90° to 135°
- Freely configurable collision protection level
- Trimming function for fast trimming of samples with free configurable trim values
- Individual sectioning window with freely programmable front and rear starting and finishing points
- Manual knife movement via touchscreen or electronic handwheel
- Possible direct knife clamping without knife holder

DIMENSIONS / WEIGHT

- Dimension Mikrotom-L: 990 x 550 x 950 mm
- Dimension control panel: 400 x 470 x 150 mm plus telescopic arm
- Working height (without clamping device): 950 mm
- Required installation space: 1,400 x 1,300 mm
- Total weight: 420 kg

STANDARD FEATURES

- Illuminated large-field magnifier (162 x 105 mm) with 3 diopters and 2 lighting levels (220V P20)
- Footswitch with start and emergency stop function
- Control Panel with 9-inch Siemens touchscreen, two electronic handwheels and potentiometer, can be positioned to the left or right of the device
- Control unit can be supplied in any language (multi-lingual)

OBJECT / SAMPLE

- Maximum sample size (incl. clamping device): 180 x 160 x 70 mm
- Sample orientation: rotatable 360° and inclinable $\pm 5^\circ$ on the x-/y-axis
- Reversing speed ranging from 1 to 125 mm/s, adjustable in 1-mm/s-intervals
- Manual moving of samples using an electronic hand wheel (sectioning speed can be adjusted using an incremental encoder/potentiometer)
- Mounting of the sample clamping device via magnet or T-shaped grooved plate
- Clamping devices fast and easy changeable through adaption
- Clamping devices available in different sizes and shapes (custom products possible)

CONTROL / DRIVE UNITS / PORTS

- Rated voltage: 400 V, 16 A
- Rated current: 6.3 A
- Rated frequency: 50 Hz
- Power input: 1.5 kW
- Total power consumption: max. 1,500 VA
- Fuse: 16 A
- A separate drive unit for knife and object movement
- Three sectioning functions: button activated, single and continuous
- Intuitive operation via touchscreen, electronic handwheels and potentiometer
- Potentiometer for infinitely variable control of sectioning speed, even during sectioning process
- Footswitch with start and emergency stop function
- Automatic emergency stop at point of collision
- Two 220 V power sockets for additional devices

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