

Large scale fully automated heavy-duty sledge microtome for histology, biomedical and industrial applications.



Maximum sample size 260 x 200 x 70 mm

Also with cooling by nitrogen.

The microtomes are fully automated and feature a control panel with electronic hand wheels and a touch screen allowing settings to be applied quickly and simply. High stability is guaranteed through their solid structure, while heavy-duty rollers enable easy handling. By means of precise knife feed and sample alignment as well as a freely adjustable clearance and declination angle, they enable high-precision sectioning for any application. The construction is designed to be user-friendly and low-maintenance.

Fast and accurate alignment of the samples to the knife.

Magnetic sample orientation 360 ° rotatable and $\pm 5^\circ$ swiveling.

Individual cutting window with freely programmable front and rear start or end point.

Individual cutting and return speed.

Freely selectable trim values for a quick and accurate cutting.

Quality Made in Germany

technical data and properties

Cutting thickness adjustable from 1 to 1,000 μm in 1 μm increments

Cutting speed from 1 to 125 mm / s continuously adjustable

Vertical total stroke of the knife: 70 mm

Knife retraction: freely selectable from 100 to 2.000 μm

Knife angle freely adjustable from 0 ° to -25 °

Knife declination freely adjustable from 90 ° to 135 ° on both sides

Trim function for quick sample cutting, with freely selectable trim values

Freely selectable collision protection level

Individual cutting window with freely programmable front and rear start and end points

Manual operation of the knife via touchscreen or electronic handwheel

Direct knife clamping possible without knife holder

Sample size (including clamping device): 260 x 200 x 70 mm

Sample orientation: 360 ° rotation and ± 5 ° inclination of the x- / y-axis Return speed adjustable from 1 to 125 mm / s in 1 mm / s increments Manual procedure of the sample by means of electronic handwheel. Magnetic or mechanical clamping option

Clamping device can be changed quickly and easily by adaptation Clamping tools in different sizes and shapes available



One separate drive each for knife and object movement

Three cutting functions: touch stroke, single stroke and continuous stroke

Intuitive operation with touch screen, electronic hand wheels and potentiometer

Potentiometer for stepless control of the cutting speed, also during the cutting process

Footswitch with start and emergency stop function

Automatic emergency stop in the event of a collision



Supply socket 220 V for large field magnifier / accessories Network connection for remote maintenance

Rated voltage: 400 V, 16 A.

rated current: 6.3A

Rated frequency: 50 Hz

Connected load: 1.5 kW

total power consumption: max. 1,500 VA

VA / fuse: 16A

