

We are manufacturers of rotary and sliding microtomes for clinical histopathology, cytology, biomedical research and industry.

We have been manufacturing microtomes for our customers around the world for more than 25 years. Applying our expertise as specialists in toolmaking and mechanical engineering, we manufacture these products with the highest level of precision and quality.

On account of our association with tool manufacturer GANTER Werkzeug- und Maschinenbau GmbH, we are able to offer complex special solutions and custom-manufactured clamping systems and special knives for microtomes.

- » Medical technology
- » Biology
- » Industrial applications



MIKROTOM-L

Fully automatic high performance sliding microtome

microTec®

Fast, accurate and fatigue-free sectioning for use in medical and industrial applications. Sample sizes ranging up to 180 x 160 x 70 mm.

MIKROTOM-L

The Mikrotom-L is a high-performance sliding microtome for biomedical and industrial applications. The microtome is fully automated and features a control panel with electronic hand wheels and a touch screen with which settings can be quickly and simply applied. By means of precise sample alignment and a freely adjustable declination angle, the Mikrotom-L delivers incredibly precise sections for all conceivable applications. We would be happy to develop solutions to suit any special requirements you might have.



microTec®

microTec Laborgeräte GmbH

Rudolf-Diesel-Straße 47

69190 Walldorf, Germany

Telefon: + 49 6227 8222-0

Telefax: + 49 6227 8222-30

E-Mail: mail@micro-tec.de

Web: micro-tec.de / ganter-gmbh.de

Technical Data:

Sections & Knives

- Freely configurable sectioning window
- Section thickness: 1 to 1,000 µm
- Sectioning speed: 1 to 125 mm/s
- Vertical knife stroke distance: 70 mm
- Knife retraction: 100 to 2,000 µm
- Trim thickness: 1 to 1,500 µm
- Knife inclination: 0° to -25°
- Knife declination: 90° to 135°
- Freely configurable collision protection level

Dimensions

- Working height: 950 mm
- Control panel: 400 x 470 x 150 mm
- Dimensions: 990 x 550 x 950 mm
- Required installation space: 1,400 x 1,300 mm
- Total weight: 420 kg

Control & Drive Units

- A separate drive unit for knife and object movement
- Three sectioning functions: buttonactivated, single and continuous stroke
- Rated voltage: 400 V, 16 A
- Rated frequency: 50 Hz
- Power input: 1.5 kW
- Rated current: 6.3 A
- Total power consumption: max. 1,500 VA
- Fuse: 16 A

Samples

- Sample size: 180 x 160 x 70 mm
- Sample orientation: rotatable 360°, inclinable ± 5° on the x-/y-axis
- Mounting of clamping device via a T-shaped grooved plate
- Reversing speed: 1 to 125 mm/s
- Manual moving of samples using an electronic hand wheel/potentiometer