



Leica SM2000 R

Sliding microtome with maintenance-free cross roller bearing slideways

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A sliding microtome for easy and convenient sectioning

The Leica SM2000 R sliding microtome was developed for sectioning tissue samples embedded in paraffin. Maintenance-free horizontal cross roller bearing slideways makes the sledge movement extremely smooth, and ensures fatigue-free operation. The design concept focuses on user friendliness; for example, the inclined surfaces of the housing optimize the sequence of movements and make sectioning easy.

The Leica SM2000 R's height adjustable feet equalize uneven work surfaces and can slightly incline the microtome to suit the resting position of the sledge to the user's requirements.



Utmost flexibility

The microtome, with quick release specimen clamping system, can be equipped with Supermega universal cassette clamp or standard clamp for paraffin blocks. Precise fine orientation allows samples to be accurately aligned with the knife. For critical samples, which usually require reduced cutting force, the knife can be positioned at an angle. An easy-to-clean section waste tray is available as an optional accessory.



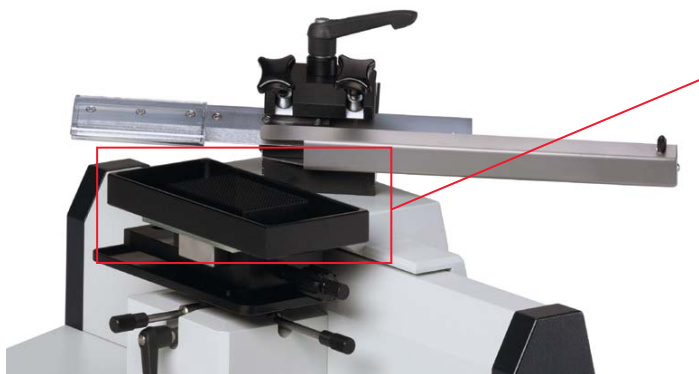
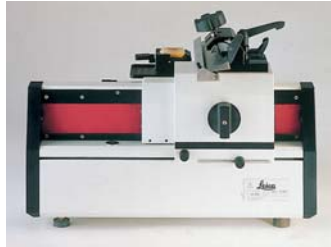
Easy-to-use knife holder

The knife holder is designed to accommodate both standard knives and disposable blades. A magnet on the back ensures safe and easy knife installation, and an integrated knife guard is provided for enhanced safety. The knife or disposable blade holder can be fixed in the holder with minimal time and effort. The line clamping principle ensures the greatest stability and optimum sectioning results. The clearance angle can be adjusted while the knife remains clamped.

Innovative technology makes your work easier and safer

The Leica SM2000 R has automatic specimen advance that can be adjusted to the size of the sample. This feature is the basis for efficient and rapid sectioning. Operator safety is enhanced by fixing the sledge in the sectioning area before section removal using

magnetic force or by positively locking the sledge in any position during section removal. A flexible cover protects the cross roller bearings from section debris.



For chilling fixed specimens (e.g., brain) during sectioning, the insulated ice tray can be filled with dry ice.

Equipped to suit individual working techniques

The Leica SM2000 R sliding microtome has both automatic (up to 30 μm) and manual specimen feed via the coarse feed wheel to accommodate different individual needs.



Variable knife holder position

Four different knife holder positions provide the flexibility to section a variety of specimen sizes and types by altering the inclination angle of the knife.



Leica SM2000 R – Technical specifications

Maximum specimen size with cassette clamp:.....	35 x 22 mm	Section thickness setting:.....	0.5 - 60 µm: from 0.5 - 2 µm in 0.5 µm increments from 2 - 10 µm in 1 µm increments from 10 - 20 µm in 2 µm increments from 20 - 60 µm in 5 µm increments
Maximum specimen size with universal cassette clamp:.....	80 x 60 mm	Automatic specimen feed:.....	up to 30 µm
Overall feed:.....	40 mm		
Clearance angle adjustment:.....	-4° to 14°		
Dimensions (w x h x d):.....	300 x 330 x 440 mm		
Weight:.....	25 kg		

Technical specifications subject to change. Information on a wide range of accessories is available upon request.

Up-to-date development, production and quality control procedures certified under DIN EN ISO 9001 ensure highest quality and reliability.

Leica laboratory instruments for the paraffin sectioning technique

Leica Microsystems develops overall solutions for tissue sample processing and microscopic evaluation for routine and research laboratories. Examples:



Leica TP1020
Automated
Tissue Processor
for histology
laboratories



Leica EG1150
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Paraffin
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