



Leica RM2125 and RM2125 RT

Rotary Microtomes

Functional and Reliable – Great Sectioning Performance

Functionality and reliability are important factors in measuring the quality of rotary microtomes. With this in mind, Leica Microsystems Nussloch GmbH has been designing and manufacturing microtomes which comply with the most modern safety standards for more than 125 years. That is why sophisticated yet robust technology, ergonomic design and exemplary functionality are the essential qualities of the new rotary microtome in the Leica RM2125 series. When designing the new instrument, Leica consciously decided not to make any changes to the proven basic Leica microtome technology. Indeed, those changes made in comparison to the predecessor model are only for the added benefit of the progressive microtome user. The result is a rotary microtome unencumbered by unnecessary features and equipped with all the functions the customer can expect from an entry-level microtome for clinical histopathology.

The Leica RM2125 contains a reliable precision-spindle micro-meter feed combined with a special stable cylinder guide mechanism ensuring low-vibration sectioning and highly reproducible results. Leica Microsystems has made this technology commercially available for applications in microtomy and cryomicrotomy, and is also committed to developing this technology further in order to always provide state-of-the-art solutions for each and every microtome user.



Proven knife holder system

The universal knife holder base is equipped with a lateral displacement feature, so that the full length of the knife edge can be used without having to change the tension setting on the previously clamped knife or blade. A safety guard can be used to cover the knife edge, protecting the operator during work breaks. Leica knife holders E, N* and E-TC* fit this knife holder base.



Flexible specimen handling

The specimen orientation system with reliable anti-tilt function ensures accurate orientation of the specimen surface relative to the knife.

The 60 mm stroke allows sectioning of either cassette- or paraffin block-embedded specimens up to a size of approximately 50 x 50 mm.

NEW!

Comfortable handrests

The handrests provide comfortable support, especially when working with the microtome for a long time, and can be removed quickly and easily. Leica considers user comfort in every microtome we design.

NEW!

Stable microtome base plate

The new design of the microtome base plate further enhances the stability of the RM2125 and makes it stand out in its class.

* optional accessories





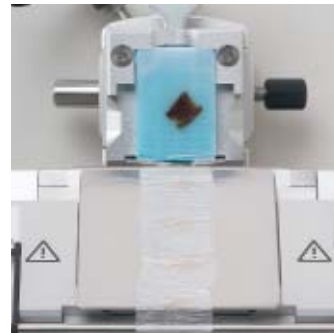
NEW!
Safe, ergonomic handwheel

Safety is a number one priority in our new microtome design. As a supplement to our traditional locking lever located below the handwheel, the handwheel handle is equipped with a safety quick-lock mechanism. When activated, it immediately locks the handwheel in the upper position. It's a safe, quick and convenient solution. The new handle is comfortable to hold and light to turn.



Efficient trimming function

By activating the mechanical trimming function, the specimen advances toward the knife in pre-defined steps of 10 µm or 50 µm, which provides an efficient method of trimming specimen blocks.



Optional specimen retraction

As an option, the new RM2125 is available with specimen retraction, but only in combination with the mechanical trimming feature (RM2125 RT). Specimen retraction prolongs the life of the cutting surface, facilitates consistent sectioning and eliminates the build-up of debris on the back of the knife or blade.



State-of-the-art specimen clamping system

The proven quick-release specimen clamping system allows specimen clamps to be changed quickly and easily.



Optional section waste tray

The generously sized section waste tray provides sufficient space even when many blocks are cut. It is easily integrated and gives the user unobstructed access to the sectioning area for section retrieval. Sectioning debris can be easily brushed into the waste tray.



NEW!
Easy-to-clean housing

The new overall design successfully combines ergonomics, aesthetics, and ease-of-use with functional requirements. The housing design allows easy and comfortable access to controls and quick and easy cleaning at any time. A movable shield prevents sectioning debris from entering the interior of the instrument, thus preventing damage to the precision mechanics.

At a glance: Leica RM2125

NEW!

- Compact, ergonomic overall design
- Ergonomically optimized handwheel handle
- Ultra-lightweight handwheel with integrated quick-lock mechanism
- Movable shield for internal debris protection
- Black anodized finish on knife holder E
- Reinforced base plate
- Comfortable and easy-to-remove handrests
- Proven mechanical precision feed system
- Section thickness selection from 0.5 µm to 60 µm
- Quick-release specimen clamping system – can be operated with one hand

Leica RM2125 RT

- Mechanical trimming function (10 µm and 50 µm)
- Specimen retraction

A selection dial allows thickness settings from as low as 0.5 µm to a maximum of 60 µm.



Wide range of accessories

An extensive array of knife holders and specimen clamping system accessories make Leica microtomes adaptable to the needs of virtually every routine and special sectioning application.



Fatigue-free trimming

The convenient, closely positioned coarse feed wheel promotes ergonomic and fatigue-free trimming. The instrument can be ordered with coarse feed and sectioning handwheel turning in either the same or opposite direction of rotation.



Leica RM2125 – Technical Specification

Section thickness setting:	0.5 - 60 µm	Horizontal specimen feed:	approx. 28 mm
	from 0 - 2 µm in 0.5 µm steps	Vertical specimen stroke length:	60 mm (+/- 1 mm)
	from 2 - 10 µm in 1 µm steps	Specimen orientation (x/y):	8°
	from 10 - 20 µm in 2 µm steps	Dimensions (L x H x W):	470 x 400 x 295 mm
	from 20 - 60 µm in 5 µm steps	Weight (net, w/o accessories):	29 kg
Section thickness indication:	visual display		
Coarse feed:	manual, via coarse feed wheel		

Leica RM2125 RT – Technical Specification

Section thickness setting:	0.5 - 60 µm	Horizontal specimen feed:	approx. 28 mm
	from 0 - 2 µm in 0.5 µm steps	Vertical specimen stroke length:	60 mm (+/- 1 mm)
	from 2 - 10 µm in 1 µm steps	Specimen orientation (x/y):	8°
	from 10 - 20 µm in 2 µm steps	Trimming thickness selections:	10 and 50 µm
	from 20 - 60 µm in 5 µm steps	Specimen retraction:	220 µm
Section thickness indication:	visual display	Dimensions (L x H x W):	470 x 400 x 295 mm
Coarse feed:	manual, via coarse feed wheel	Weight (net, w/o accessories):	29 kg

State-of-the-art R&D, manufacturing and quality assurance procedures – registered under DIN EN ISO 9001 – ensure highest quality and reliability.

Wide range of accessories available on request.
 Technical specifications subject to change without prior notice.



Offering a complete solution

To enjoy the full benefits of your microtome, we recommend using original Leica consumables such as Leica Histowax™, our multi-purpose histo-paraffin without DMSO additives for classical routine histology, Leica disposable microtome blades of the DuraBlades™ family, reusable Leica steel knives profile 'c' or 'd' and, of course, Leica Jet Cassettes™ used in conjunction with one of the numerous Leica embedding molds. For more detailed information, please contact your local Leica sales office, as not all of the above-mentioned products are available world-wide.





Leica Microsystems – the brand for outstanding products

Leica Microsystems' mission is to be the world's first-choice provider of innovative solutions to our customers' needs for vision, measurement, lithography and analysis of microstructures.

Leica, the leading brand for microscopes and scientific instruments, developed from five brand names, all with a long tradition: Wild, Leitz, Reichert, Jung and Cambridge Instruments. Yet Leica symbolizes innovation as well as tradition.

Leica Microsystems – an international company with a strong network of customer services

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The companies of the Leica Microsystems Group operate internationally in five business segments, where we rank with the market leaders.

● Microscopy

Our expertise in microscopy is the basis for all our solutions for visualization, measurement and analysis of microstructures in life sciences and industry.

● Specimen Preparation

We provide comprehensive systems and services for clinical histo- and cytopathology applications, biomedical research and industrial quality assurance. Our product range includes instruments, systems and consumables for tissue infiltration and embedding, microtomes and cryostats as well as automated stainers and coverslippers.

● Imaging Systems

With confocal laser technology and image analysis systems, we provide three-dimensional viewing facilities and offer new solutions for cytogenetics, pathology and materials sciences.

● Medical Equipment

Innovative technologies in our surgical microscopes offer new therapeutic approaches in microsurgery. With automated instruments for ophthalmology, we enable new diagnostic methods to be applied.

● Semiconductor Equipment

Our automated, leading-edge measurement and inspection systems and our E-beam lithography systems make us the first choice supplier for semiconductor manufacturers all over the world.

