



Leica RM2135 rotary microtome

The versatile easy-to-use rotary microtome

Leica
MICROSYSTEMS

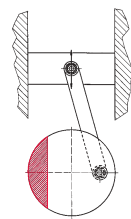
Functionality, safety and comfort

Future-based concepts must offer solutions to the multiple challenges of practical work. Leica's rotary microtomes – based on 125 years of experience – meet these demands perfectly. The new Leica RM2135 features advanced technology, extraordinary safety standards along with an ergonomic design. The instrument presents technical innovations and improvements such as a patented gravitational force compensation system; a coarse feed wheel located in a convenient position to ensure stress-free working; cross roller bearings for the vertical and horizontal specimen feed to guarantee high-quality sections – features designed to meet even the highest standards in paraffin and hard-sectioning techniques.

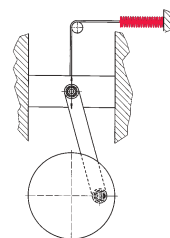


Precision: Specimen orientation *

An easy-to-use specimen orientation system with "anti-tilt feature" ensures accurate and simple orientation of the specimen. A vertical stroke length of 70 mm guarantees a maximum sectioning range of 69 mm. This enables sectioning of large specimens.



I. Standard:
Counterweight
inside the
handwheel



II. Leica patent:
Gravitational force
compensation
system

Innovation: The patented gravitational force compensation system

By means of a pre-stressed spring, the patented lever system offsets the centrifugal forces that arise during the sectioning process. Thus, there is no need for mounting an approximately 2 kg counterweight inside the handwheel. The new system ensures a very smooth and easy turn of the handwheel to obtain a uniform stroke for excellent, perfectly stretched sections.

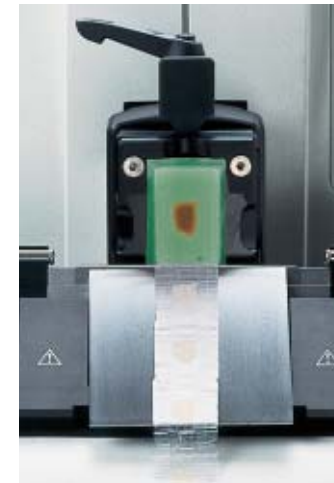


Efficiency: The new quick release specimen clamping system *

The new quick release clamping system can be operated with one hand and enables extremely fast changing of specimen clamps.

Inventive: The new section waste tray *

The new section waste tray is integrated in the microtome base plate, offering a great advantage to the user when removing section debris. Sectioning waste is directly transferred from the knife into the waste tray. The volume can be expanded when using disposable waste bags.



Cross roller bearings for utmost precision:

The cross roller bearings for vertical and horizontal specimen feed ensure accurate reproducibility of the section thickness. Even when using high cutting speeds and strong cutting forces the stroke will be free from vibrations. Leica is the first manufacturer to use this technology in manually operated rotary microtomes.



Unsurpassed flexibility: The new knife holder system *

The universal knife holder base with lateral displacement function is suitable for holding different knife holders. The knife holder can be moved laterally to take full advantage of the whole cutting length without having to readjust the clearance angle.

Stop: Safety locking

The quick locking lever locks the handwheel quickly and safely in any position. The new 12 o'clock locking system automatically locks the handwheel in the upper position by simply pulling the handle outwards.



Personalized comfort: The coarse feed wheel

The coarse feed wheel is ergonomically positioned to ensure stress-free work conditions. You have the option to order the unit with the coarse feed wheel rotating clockwise or counterclockwise. The (optional) mechanical trimming device is placed very close to the coarse feed wheel. As an alternative, the RM2135 can also be ordered with the coarse feed wheel located at the front of the microtome base plate.



* Option

Illustration includes
optional accessories

Leica RM2135 – Instrument features

- Ergonomically designed
- Mechanical high-precision specimen feed
- Backlash-free micrometer feed system in dust-proof housing
- Patented mass-balanced system to compensate gravitational forces
- Smoothly running handwheel with quick locking system
- Specimen retraction can be disengaged
- Coarse feed wheel in front or on the side
- Totally enclosed housing
- Easy to service
- Low-maintenance microtome with cross roller bearings for vertical and horizontal specimen movement
- Quick release clamping system *
- Simple changing of specimens
- Mechanical trimming function; at two steps (10 µm and 30 µm)*
- Specimen orientation with anti-tilt feature *
- Ergonomic hand rest *
- Section waste tray with holder for disposable waste bags *
- Knife holder base with lateral displacement feature *

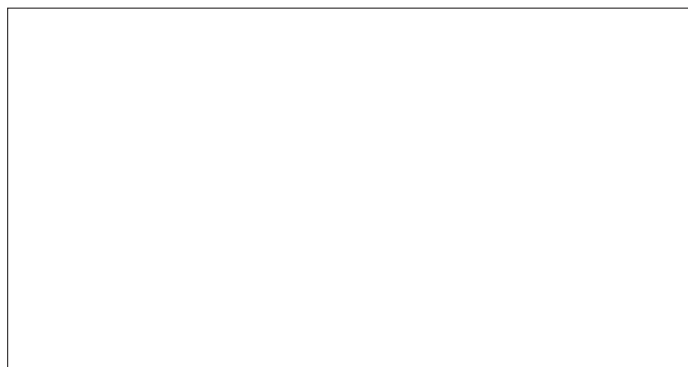
* optional accessories

Leica RM2135 – Technical specifications

| | | | |
|---|-----------------------------------|---|--------------------|
| Section thickness setting:..... | 1 to 60 µm | Specimen orientation: | 8° (x,y,z) |
| | from 1 to 10 µm in steps of 1 µm | Dimensions (L x W x H): | 525 x 310 x 295 mm |
| | from 10 to 20 µm in steps of 2 µm | Weight (without accessories): | 34 kg |
| | from 20 to 60 µm in steps of 5 µm | | |
| Section thickness indication:..... | display window | Technical specifications subject to change. | |
| Coarse advance:..... | manually via coarse feed wheel | Wide range of accessories on request. | |
| Horizontal specimen feed:..... | 30 mm (-10% tolerance) | Up-to-date development, production and quality control procedures certified under DIN EN ISO 9001 ensure highest quality and reliability. | |
| Vertical specimen stroke length:..... | 70 mm | | |
| Sectioning range without retraction:..... | 69 mm (at 1 µm) | | |
| Sectioning range with retraction:..... | 62 mm | | |

For further information please contact your local Leica sales company

| | | | |
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