

With precision, safety and ergonomic comfort built into every aspect, the Leica SM2010 R is an investment in productivity and quality that delivers an edge over all other sliding microtomes.

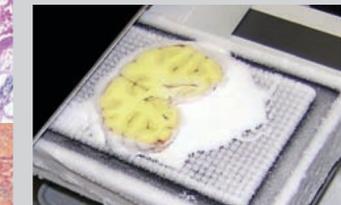
Now it's easy to manage growing workloads as the Leica SM2010 R allows each operator to cut more sections with greater precision throughout their shift.



Safer blade removal



Safer knife and blade rail manipulation



Special clamps and cooling device for cryosectioning fixed tissue

Leica SM2010 R – Precise, Safe and Ergonomic

Blade life is extended by a simple and safe lateral displacement function.

It's quick and easy to switch between low or high profile blades so you're always ready for the next specimen.

Cut consistently and precisely, declination angles up to 45° are easily set and reproduced using an easy-to-read scale and indicator system.

Increase operator protection with high-visibility safety guards that reduce the risk of accidental contact with the knife or blade.

Operators can sit comfortably and correctly thanks to the system's low working height and easy-to-reach object head.

Produce exact sections. Properly align specimens in the proper plane with precision x-y specimen orientation with defined zero position and click stops at every 2°.

The work bench remains clean as waste is collected for easy disposal in the large anti-static waste tray.

Reliable sectioning is assured by a new highly stable base and totally enclosed micrometer feed system.

The SM2010 R remains comfortable throughout a shift as the thoughtful ergonomic design – including smooth, rounded front edges – facilitates comfortable working positions.

Sections cut smoothly because the cross roller bearings allow effortless horizontal and vertical movements.

Now everyone can section comfortably using the unique ErgoGrip system with three handle types (one standard, two available as optional accessories).

Safer section pickup is as simple as locking the smooth running sledge using the easily accessible brake.

Improve operator efficiency with precise selection of the cutting window and automatic sample feeding up to 30 µm.

Straightforward instrument adjustment with easy-to-use levers for common adjustments and Allen keys for adjustments that shouldn't be changed regularly.

It's fast and easy to switch between common specimen types using the innovative quick release system for specimen clamps – even cryosectioning fixed brain tissue is easily accommodated.

Essential tools, such as brushes and pencils, are always accessible thanks to the convenient lay-down area.

Pre-select the turn direction of the coarse feed wheel for clockwise or counter-clockwise operation.

For personal comfort, the operator can choose to either push or pull the coarse feed lever for manual object feeding.

Safer blade handling is made possible by an innovative insertion/removal aid.

Leica design by Werner Hölbl

◆ Precise
● Safe
▲ Ergonomic
■ Lean

Leica SM2010 R – Technical Specifications

| | |
|---|---------------------|
| Maximum specimen size with standard clamp | 79 x 60 mm (L x W) |
| Maximum specimen size with universal cassette clamp | 40 x 29 mm (L x W)* |
| Maximum specimen size with Supermega cassette clamp | 75 x 53 mm (L x W)* |
| Maximum specimen size with HN40 clamp | 59 x 45 mm (L x W) |
| Maximum specimen size with dry ice tray | 77 x 52 mm (L x W) |
| Maximum specimen size with freezing stage | 80 x 50 mm (L x W) |

* Approx. measurements according to cassette type used.

| | |
|-----------------------------|---|
| Specimen feed: | approx. 50 mm |
| Clearance angle adjustment: | -3° to +10° |
| Section thickness range: | 0.5 to 60 µm |
| Section thickness settings: | from 0.5 to 5 µm in 0.5 µm increments from 5 to 10 µm in 1 µm increments from 10 to 20 µm in 2 µm increments from 20 to 60 µm in 5 µm increments |
| Specimen orientation: | ± 8° |
| Declination: | 0° to 45° in sectioning direction |

Dimensions and weight

| | |
|---|----------------------------------|
| Width (including hand wheel and ErgoGrip handle): | 390 mm |
| Width (base plate): | 256 mm |
| Depth: | 430 mm |
| Height (total): | 343 mm (with blade holder) |
| Working height (knife edge): | 255 mm (measured from the table) |
| Weight (without accessories): | approx. 24 kg |

The Leica SM2010 R has been designed and manufactured in compliance with IEC requirements. Technical specifications subject to change. Wide range of accessories available on request.

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

Lean Histology™

Lean principles are revolutionizing the way laboratories operate. By choosing Lean-compliant systems any laboratory can greatly improve productivity, reduce costs and provide a better service.

The Leica Microsystems range covers the entire histology workflow. There is a Lean Histology instrument for every step, and complete high-productivity systems for the entire workflow.

With Lean Histology Leica Microsystems can help any laboratory “go Lean”, reduce costs and offer better service to hospitals, pathologists and patients.

The Leica SM2010R has many Lean benefits whether working alone, or as part of a Leica Microsystems' Lean Histology system.

- Eliminate wasted sledge movement with precise selection of the cutting window.
- Quickly switch between common specimen types using the innovative quick release system for specimen clamps.
- Extend blade life with the simple and safe lateral displacement function.
- Easily switch between low or high profile blades so you're always ready for the next specimen.
- The bench remains clean as waste is collected for easy disposal in the large anti-static waste tray.



Specimen clamp quick release system



Red safety guard



Precise lateral displacement



Safer insertion of disposable blade



Knife holder SN for standard knives or disposable blade rails

“With the user, for the user” Leica Microsystems

Leica Microsystems operates internationally in four divisions, where we rank with the market leaders.

• Life Science Division

The Leica Microsystems Life Science Division supports the imaging needs of the scientific community with advanced innovation and technical expertise for the visualization, measurement, and analysis of microstructures. Our strong focus on understanding scientific applications puts Leica Microsystems' customers at the leading edge of science.

• Industry Division

The Leica Microsystems Industry Division's focus is to support customers' pursuit of the highest quality end result. Leica Microsystems provide the best and most innovative imaging systems to see, measure, and analyze the microstructures in routine and research industrial applications, materials science, quality control, forensic science investigation, and educational applications.

• Biosystems Division

The Leica Microsystems Biosystems Division brings histopathology labs and researchers the highest-quality, most comprehensive product range. From patient to pathologist, the range includes the ideal product for each histology step and high-productivity workflow solutions for the entire lab. With complete histology systems featuring innovative automation and Novocastra™ reagents, Leica Microsystems creates better patient care through rapid turnaround, diagnostic confidence, and close customer collaboration.

• Surgical Division

The Leica Microsystems Surgical Division's focus is to partner with and support surgeons and their care of patients with the highest-quality, most innovative surgical microscope technology today and into the future.

The statement by Ernst Leitz in 1907, “with the user, for the user,” describes the fruitful collaboration with end users and driving force of innovation at Leica Microsystems. We have developed five brand values to live up to this tradition: Pioneering, High-end Quality, Team Spirit, Dedication to Science, and Continuous Improvement. For us, living up to these values means: **Living up to Life.**

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Leica SM2010 R

The Precise, Safe and Ergonomic Sliding Microtome

Living up to Life

The Leica SM2010 R Precise. Safe. Ergonomic.



Precise – high-quality sections and reduced repeats.

Safe – Build staff morale with improved operator protection

Because user safety is paramount, the SM2010 R comes equipped with advanced safety features that protect each operator throughout every shift.



Safe – added protection for every user

Ergonomic – Boost productivity as operators maintain a high work rate

Comfortable operation means higher productivity and less injury. By adhering to the best ergonomic principles, the SM2010 R has the options and features that allow each operator to work comfortably and concentrate on the quality of each section.



Ergonomic – work quickly and efficiently throughout each shift.

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