Leica
BIOSYSTEMS

Leica SM2010 R

The Precise, Safe and Ergonomic Sliding Microtome

The Leica SM2010 R

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.

PRECISE – INCREASE WORKFLOW EFFICIENCY BY CONSISTENTLY CUTTING HIGH-QUALITY SECTIONS

The inherent precision of the SM2010 R allows operators to reliably produce high-quality sections for accurate evaluation. All parts of the SM2010 R work together to ensure smooth blade movement, precise cutting angles and accurate sectioning thickness.

SAFE – BUILD STAFF MORALE WITH IMPROVED OPERATOR PROTECTION

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

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.

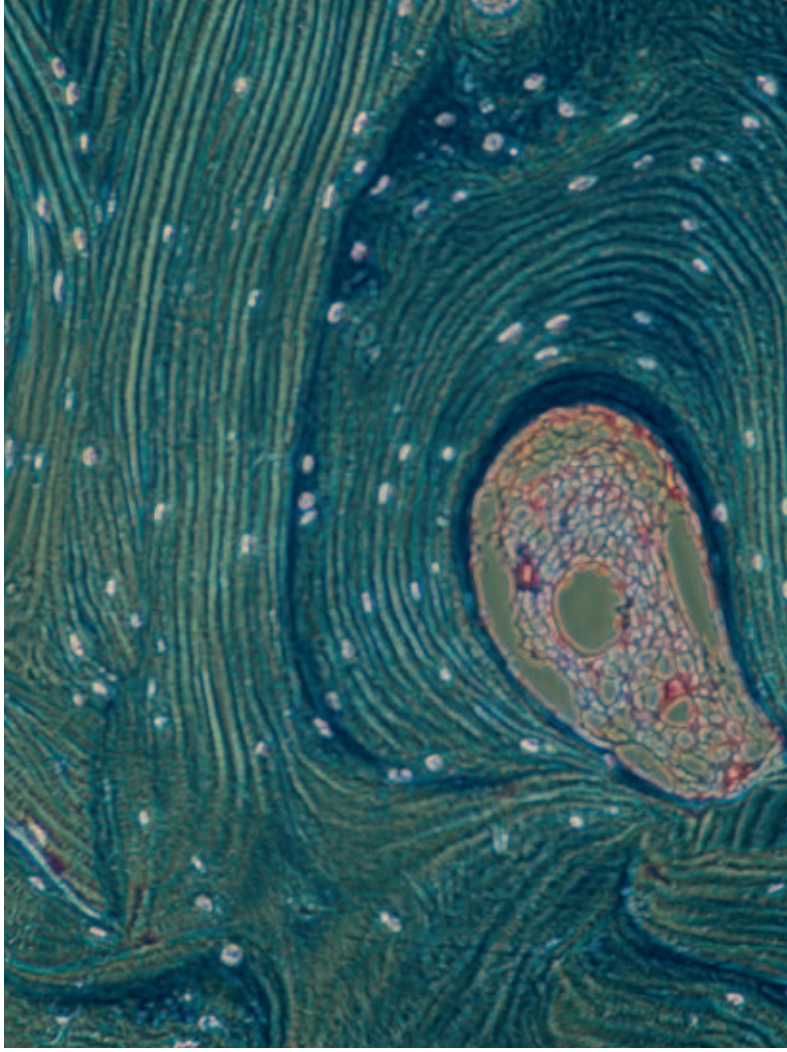
Precise – high-quality sections and reduced repeats

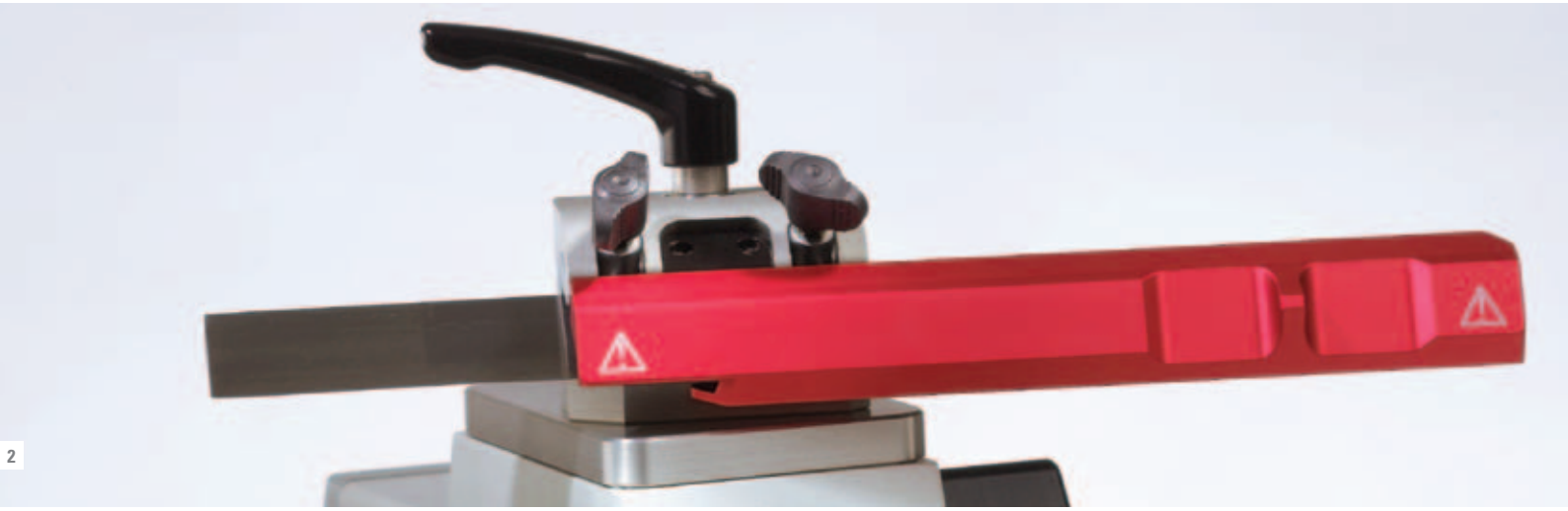
Safe – added protection for every user

Ergonomic – work quickly and efficiently throughout each shift

1 Safer blade removal 2 Safer knife and blade rail manipulation 3 Special clamps and cooling device for cryosectioning fixed tissue

1





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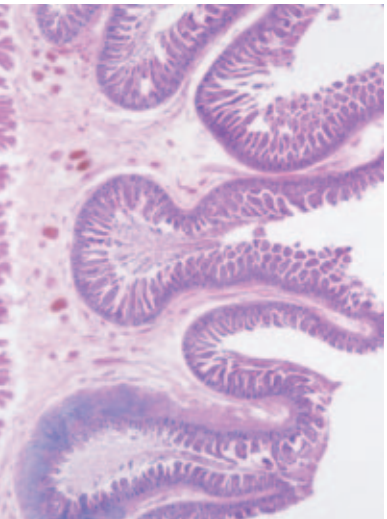

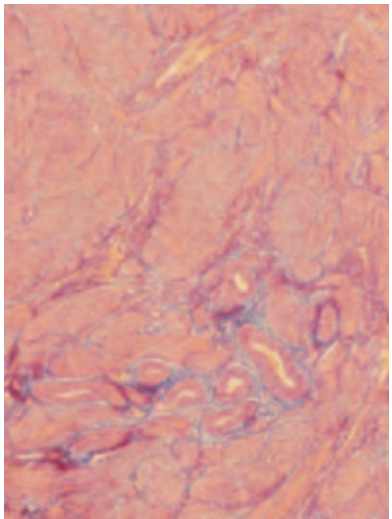

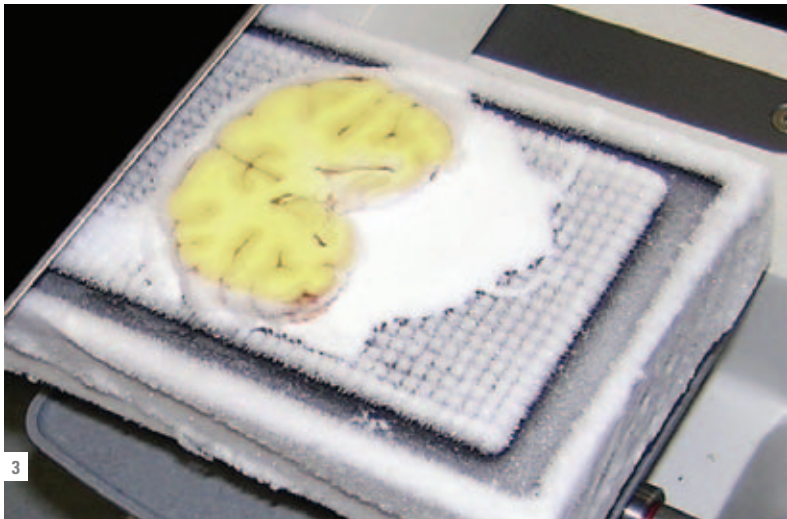

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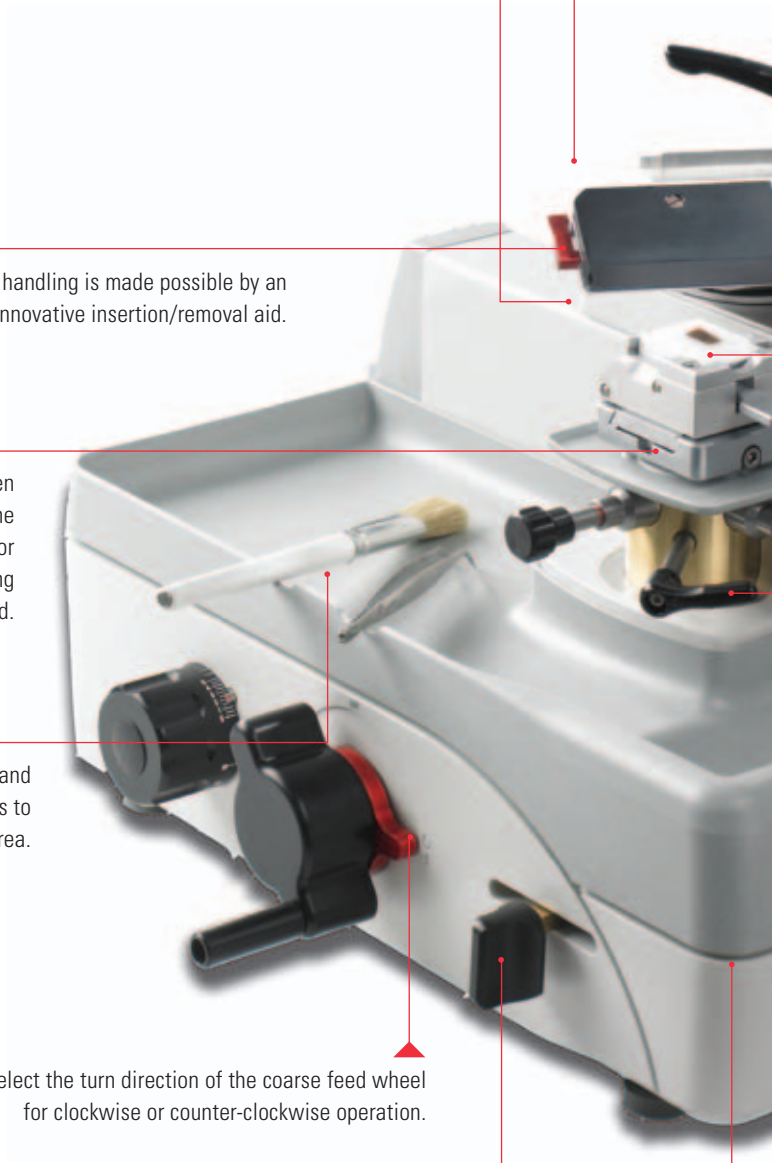
Leica SM2010R – Precise, Safe and Ergonomic

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

It's quick and easy
or high profile blad
ready for the next s



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

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.

The SM
though
edges

Leica design by Werner Hölbl

to switch between low
es so you're always
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.

M2010 R remains comfortable throughout a shift as the
ntful ergonomic design – including smooth, rounded front
– facilitates comfortable working positions.

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)
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.

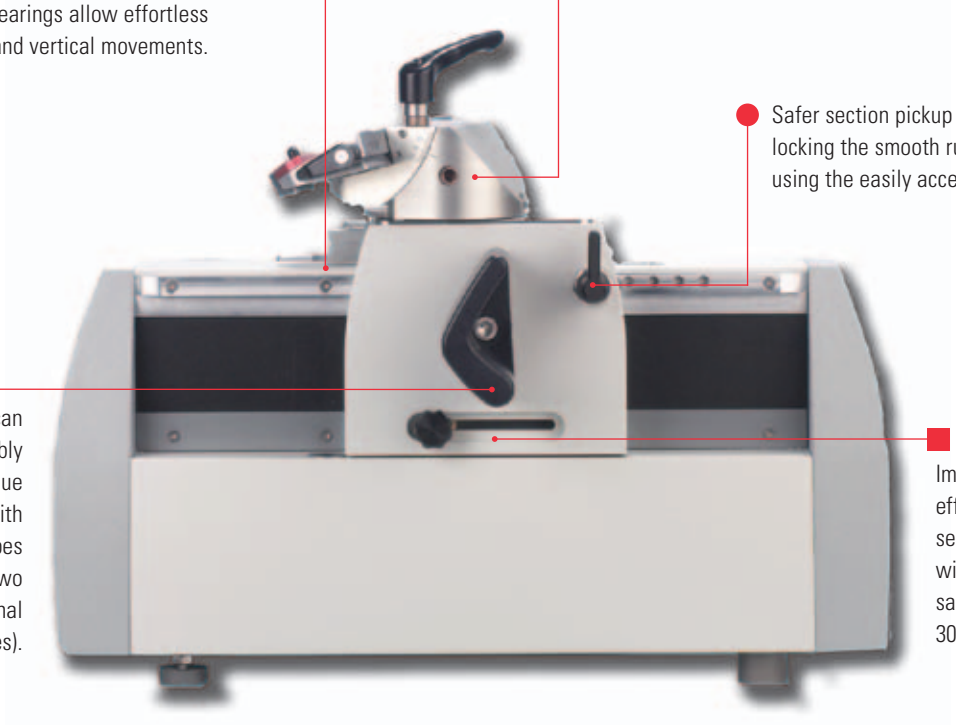
Technical Specifications subject to change.

* Approx. measurements according to cassette type used.

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

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

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



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

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

Precise **Safe** **Ergonomic** **Lean**

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 Biosystems 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 Biosystems can help any laboratory "go Lean", reduce costs and offer better service to hospitals, pathologists and patients.
The Leica SM2010 R has many Lean benefits whether working alone, or as part of a Leica Biosystems' 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

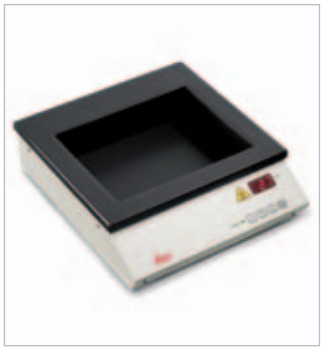
Red safety guard

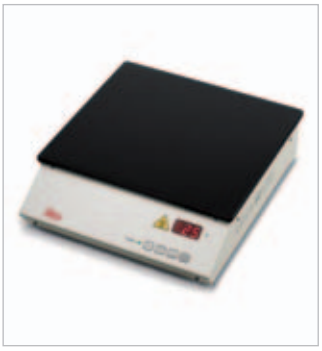
Precise lateral displacement

Safer insertion of disposable blade

Knife holder SN for standard knives or disposable blade rails

www.LeicaBiosystems.com





TOTAL PARAFFIN SECTIONING SOLUTIONS

Disposable Blades

Find just the blade you need from Leica Biosystems' diverse range of coated, uncoated, high- and low-profile blades.

Leica Surgipath Slides

With many color and adhesive options you're sure to find the ideal slide for your application.

Leica HI1210 Water bath for paraffin sections

A flattening bath for paraffin sections and a water bath maintaining specimens and solutions at required temperatures for IHC applications.

Leica HI1220 Flattening table for paraffin sections

A flattening table with a large jet black aluminum work surface to provide high thermal conductivity rates and outstanding resistance to mechanical manipulations.

LEICA BIOSYSTEMS

Leica Biosystems is a global leader in workflow solutions bringing histopathology laboratories and researchers the highest quality, most comprehensive product range in anatomical pathology. With complete histology systems featuring innovative automation, Novocastra™ reagents and Surgipath® consumables, Leica Biosystems offers the ideal product for each histology step and high-productivity workflow solutions for the entire laboratory.

Leica Biosystems brings together products, quality and support. Offering a complete solution that helps you advance workflows, enhance diagnostic clarity and deliver what really matters – better patient care.

Leica Biosystems – an international company with a strong network of worldwide customer services:

North America Sales and Customer Support	
North America	800 248 0123
Asia/Pacific Sales and Customer Support	
Australia	1800 625 286
China	+85 2 2564 6699
Japan	+81 3 5421 2804
South Korea	+82 2 514 65 43
New Zealand	0800 400 589
Singapore	+65 6779 7823
Europe Sales and Customer Support	

For detailed contact information about European sales offices or distributors please visit our website.