

Advancing Cancer Diagnostics  
Improving Lives



# Passionate about Quality, Committed to Safety

## HistoCore Rotary Microtome Solutions



# CONSISTENT QUALITY AND EFFICIENCY FROM THE FIRST CUT TO THE LAST

For over 145 years, Leica Biosystems has been the global leader in microtomy. Our reliable and precise microtomes are designed to provide high quality sections, resulting in outstanding uptime. With our family of clinical rotary microtomes and years of experience, we bring the **ART OF SECTIONING** to your laboratory.



## Maximize User Comfort and Efficiency

- The only personalized clinical rotary microtomes to improve your comfort by adapting the coarse feed wheel direction to your personal preference and in an ergonomic position close to the user. This results in helping reduce fatigue while trimming.
- The unique force balance system handles block sizes from biopsy to Super Cassette size, minimizing the risk of injury by an unbalanced object head.



## Quick and Easy Cleaning within Seconds

- The antistatic waste tray increases efficiency by shortening cleaning time from minutes to seconds, and reduces contamination to the operator/environment by effectively collecting and containing waste.



## Designed for High Quality IHC Sections

- Produce high quality paraffin sections for H&E, IHC and molecular techniques.
- Specimen cooling option allows for the block temperature to stay colder longer using the electrically cooled RM CoolClamp for standard cassettes, especially when cutting multiple sections for IHC or serial sections.



## Your Complete Solution to Microtomy

- Keep your lab running smoothly with a complete line of high and low profile blades, cleaners and other accessories.
- The HistoCore PERMA S slide printing solution generates permanently printed slides at any microtome workstation, providing improved workflow and helps reduce errors in patient labeling.

Introducing our complete line of Clinical Microtomes, **designed with the user in mind.**  
We are committed to providing consistent quality and enhanced efficiency, while maintaining a safe and healthy workplace.



**HistoCore BIO CUT**

**HistoCore MULTICUT**

**HistoCore AUTO CUT**

Microtome type	Mechanical manual	Semi Motorized	Fully motorized
Personalized coarse feed wheel for improved comfort.	✓	✓	✓
Unique force balance system reduces the risk of injury by an unbalanced object head.	✓	✓	✓
The anti-static waste tray reduces contamination and provides unmatched efficiency through shortened cleaning times.	✓	✓	✓
2-in-1 blade holder for both, high and low profile blades.	✓	✓	✓
Quiet retraction provides reduced noise during prolonged operation.	✓	✓	✓
Rapid specimen exchange with fast homing and programmable Memory position		✓	✓
Electronic brake allows for safe blade and specimen handling.			✓

✓ = NEW

# The Art of Sectioning

**TECHNICAL DATA**

Type of microtome	HistoCore BIOCUT	HistoCore MULTICUT	HistoCore AUTOCUT
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**GENERAL**

Nominal supply voltages:	N/A	100 / 120 / 230 / 240 V AC	100 / 120 / 230 / 240 V AC
Nominal frequency:	N/A	50/60 Hz	50/60 Hz

**DIMENSIONS AND WEIGHT**

Width (including handwheel and coarse feed wheel)			
Depth (including the section waste tray)			
Height (without top tray)			
W x D x H:	477 mm x 620 mm x 295 mm	477 mm x 620 mm x 295 mm	477 mm x 620 mm x 295 mm
Weight (without accessories):	Approx. 31 kg	Approx. 31 kg	Approx. 40 kg

**MICROTOME**

Section thickness setting range:	1 - 60 $\mu$ m	0.5 - 100 $\mu$ m	0.5 - 100 $\mu$ m
Trimming section thickness setting range:	10 $\mu$ m, 30 $\mu$ m	1 - 600 $\mu$ m	1 - 600 $\mu$ m
Specimen feed:	Approx. 24 mm $\pm$ 2 mm	Approx. 24 mm $\pm$ 1 mm	Approx. 24 mm $\pm$ 1 mm
Vertical stroke:	70 mm $\pm$ 1 mm	70 mm $\pm$ 1 mm	70 mm $\pm$ 1 mm
Maximum specimen size (H x W x D):	Large standard clamp: 55 x 50 x 30 mm Super Cassette clamp: 68 x 48 x 15 mm	Large standard clamp: 55 x 50 x 30 mm Super Cassette clamp: 68 x 48 x 15 mm	Large standard clamp: 55 x 50 x 30 mm Super Cassette clamp: 68 x 48 x 15 mm
Unique force balance system	Yes	Yes	Yes
Specimen retraction:	Approx. 40 $\mu$ m; can be turned off	5 - 100 $\mu$ m in 5 $\mu$ m increments; can be turned off	5 - 100 $\mu$ m in 5 $\mu$ m increments; can be turned off

**COARSE FEED AND MOTORIZED SECTIONING SPEEDS**

Slow forward and backward speed	N/A	300 $\mu$ m/s	300 $\mu$ m/s
Fast forward speed		800 $\mu$ m/s	800 $\mu$ m/s
Fast backward speed (fast homing)		1800 $\mu$ m/s	1800 $\mu$ m/s
Sectioning speed:	N/A (manual)	N/A (manual)	0-420 mm/s $\pm$ 10 %
Personalized coarse feed wheel	user selectable	user selectable	user selectable
Specimen orientation with zero position horizontal / vertical rotation:	$\pm$ 8° / $\pm$ 8°	$\pm$ 8° / $\pm$ 8°	$\pm$ 8° / $\pm$ 8°
Waste tray	anti-static	anti-static	anti-static

**LEICA BIOSYSTEMS**

Leica Biosystems is a global leader in workflow solutions and automation, integrating each step in the workflow from biopsy to diagnosis. Our mission of "Advancing Cancer Diagnostics, Improving Lives" is at the heart of our corporate culture. Our easy-to-use and consistently reliable offerings help improve workflow efficiency and diagnostic confidence.

Contact your Leica Biosystems representative today to learn more about the HistoCore Rotary Microtome Solutions.



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