

Advancing Cancer Diagnostics
Improving Lives

Leica
BIO SYSTEMS



A Microtome Unlike Any Other HistoCore AUTOCUT Rotary Microtome

Do you struggle to meet the needs of EVERY microtommist in your lab? Finally, there is a solution designed to give your users the freedom they desire: HistoCore AUTOCUT. The new generation of microtomes from Leica Biosystems is built upon our 145+ year heritage of market-leading microtome design. It allows users to select among automated, semi auto-automated, or manual sectioning modes based on their personal preferences.

MAXIMIZE USER COMFORT AND EFFICIENCY



- Every microtome user can use their preferred sectioning mode: Automated, Semi-automated and Manual.
- Personalized coarse feed wheel provides improved comfort and helps reduce fatigue while trimming.
- The unique force balance system handles block sizes from biopsy to Super Cassette size, eliminating the risk of injury from an unbalanced object head.

QUICK AND EASY CLEANING AND ENHANCED SAFETY



- Shorten cleaning time from minutes to seconds with the Antistatic Waste Tray.
- Maximize safety in the lab: The AUTOCUT improves on past automated models with an automatic electronic brake to minimize the risk of injury during operation.

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.

RAPID SPECIMEN EXCHANGE



- Rapid specimen exchange while trimming is enabled by fast homing and user programmable MEMO position.
- Fast Homing: The return speed of the object head from the front position to the home position is twice as fast as the previous generation.
- MEMO Position: Set a customized position by simply returning the object head with the push of a button, enabling rapid batch trimming.

TECHNICAL DATA

Type of microtome	Fully Motorized
DIMENSIONS AND WEIGHT	
Width (including handwheel and coarse feed wheel)	
Depth (including the section waste tray)	
Height (without top tray)	
H x W x D:	477 mm x 620 mm x 295 mm
Weight (without accessories):	Approx. 40 kg
MICROTOME	
Section thickness setting range:	0.5 - 100 µm
Trimming section thickness setting range:	1 - 600 µm
Specimen feed:	Approx. 24 mm ±1 mm
Vertical stroke:	70 mm ±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
Unique force balance system	Yes
Specimen retraction:	5 - 100 µm in 5 µm increments; can be turned off
Personalized coarse feed wheel	User selectable
Specimen orientation with zero position horizontal / vertical rotation:	± 8° / ± 8°
Waste tray	Antistatic tray

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 AUTOCUT Rotary Microtome.