



RANKIN basics MCT45 Semi Automatic Microtomes Instructions

[Home](#) » [Rankin Basics](#) » RANKIN basics MCT45 Semi Automatic Microtomes Instructions 

RANKIN | basics

MCT45 Semi Automatic Microtomes Instructions Manual



Contents

- [1 Manual microtome](#)
- [2 Semi-automatic](#)
- [3 Specifications](#)
- [4 Documents / Resources](#)
- [5 Related Posts](#)

Manual microtome

A simplified control panel built right into the face of the microtome declutters your microtomy workspace by putting the controls you need up and out of the way



1. 2-in-1 high- or low-profile blade holder comes standard on all microtomes.
2. Ergonomic handwheel for enhanced user comfort.
3. Lightweight, simple, and sleek waste tray catches paraffin shavings during microtomy.
4. German-imported Kipp levers for secure locking of the blade holder and specimen orientation head to ensure quality sections every time.
5. Click-into-place lateral positioning system on the blade holder to ensure the user cut on all three portions of your blades, lengthening the lifespan of your blades, with repeatability every time.
6. Flat top for storage of supplies, and an ergonomic housing shell for easy cleaning.

"Our lab loves the Rankin Basics manual microtome. The unit looks very nice and is easy to clean, the flywheel turns smoothly and easily, and we absolutely love the built-in chuck level! Excellent basic microtome – no need to spend all that money on name brands!"

Semi-automatic



1. 2-in-1 high- or low-profile blade holder come standard on all microtomes. Easily remove the spacer bar for high-profile blades.
2. Ergonomic handwheel for enhanced user comfort
3. A motorized course feed with the natural feel of a flywheel gives you more control over the specimen head compared to using a button.
4. German-imported Kipp levers for secure locking of the blade holder and specimen orientation head to ensure quality sections every time.
5. Large, wrap-around waste tray for less trips to the waste bin.
6. Click-into-place lateral positioning system on the blade holder to help lengthen the lifespan of your blades.
7. Three sectioning modes to choose from: standard, smart, and full-layer interval. Standard mode features normal operation for routine sectioning. Switch between trimming and fine sectioning by pushing the C/T button. Smart mode allows for the user to “rock” if they wish. Full-layer interval mode allows the user to set the point at which the machine will switch from trimming to fine sectioning based on a pre-determined microm depth set by the user. Simple user control panel with no external keypad.

Specifications

	Manual (MCT25)	Semi-Auto (MCT45)
Sectioning Range	1 – 60 µm	0.25 – 100 µm
Retraction	No	0 – 100 µm
Horizontal Specimen Feed	29 mm	30 mm
Vertical Specimen Stroke	60 mm	70 mm
Horizontal Movement of Blade Holder	0 – 60 mm	0 – 60 mm
Lateral Movement of Blade Holder	0 – 23 mm	0 – 23 mm
Maximum Specimen Size	60 x 70 mm	70 x 70 mm
Specimen Orientation	XY – 8°	XY – 8°
Dimensions (W x D x H)	22.5 x 17.3 x 11.5 in	23.4 x 18.3 x 11.6 in
Weight	62 lbs (28kg)	62 lbs (28kg)

RANKIN Rankin Biomedical is a family-owned supplier of equipment, consumables, and service to histopathology laboratories. Our passion is to be stewards of our industry by providing accessible histology equipment to labs.

- Put people first
- Find solutions
- Obsess over excellence
- Lead through virtue

Copyright © 2023 by Rankin Biomedical Corp., Michigan, United States. All rights reserved. Rankin Basics and the Rankin Basics Logo are registered trademarks of Rankin Biomedical Corporation.

Revision 2.2 – 02/2023


RANKIN

Contact your Rankin sales representative today to learn more
about the Rankin Basics microtomes or setup a demo.

(877) 882-3679

rankinsales@rankinbiomed.com

Documents / Resources

	<p>RANKIN basics MCT45 Semi Automatic Microtomes [pdf] Instructions MCT45, Semi Automatic Microtomes, MCT45 Semi Automatic Microtomes, Microtomes</p>
---	---