

**Rankin Basics Manual Rotary Microtome**

MCT25



The Rankin Basics Manual Rotary Microtome is a simple to use, ergonomic rotary microtome makes microtomy more efficient and consistent. Users that are used to the big-name OEM microtomes will have a very easy time transitioning to the Rankin Basics microtome, as the features and ergonomics feel extremely similar to the big-name OEM microtomes.

The Rankin Basics Manual Rotary Microtome was designed with reliability in mind. The most robust parts have been selected in order to provide decades of reliability. After 10 years of research and development, with 4 years of internal testing on over 1,000 control slides per day, we are thrilled to offer what we believe is the most reliable microtome we've ever seen. This is why we are providing a warranty that is double the industry-standard, of 2-years.

**2-in-1 Low and High Profile Blade Holder**

The Rankin Basics Manual microtome comes standard with a **2-in-1 low and high profile blade holder** to make it easy to switch between tissue types, technician preference, or blades supply. Easily slide the top portion of the blade holder left, right, or middle with click-into-place positioning system. Consequently, you will get more out of our microtome blades by using both sides. High-quality Kipp levers ensure safe and secure locking of the moving mechanisms.



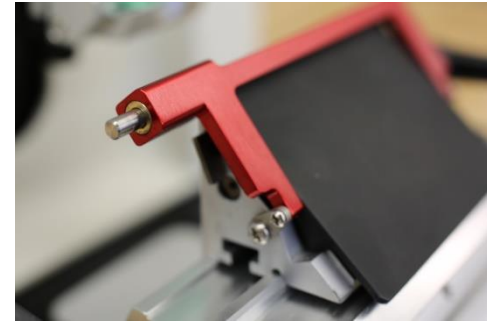


## Quick Cassette Clamp

Quickly change out blocks with a easy to use, large lever to release a block for sectioning. A built-in level helps for consistency of block alignment, providing a quick reference. The quick cassette clamp and be interchanged with the optional standard specimen vice clamp.

## Safe Blade Ejection Button

The disposable blade safety rail has a blade ejection button built-in. You can safely remove disposable blades and mitigate potential risks associated with microtomy.



## Paraffin Waste Tray

Make cleanup easier with the lightweight, simple and sleek waste tray to catch paraffin shavings during microtomy. The waste tray easily slide under the front of the microtome and catches sectioning waste on the front and sides of the microtome.

**Features**

Cassette holder can be locked at any position along each of the three axes, enabling easy adjustment of the specimen sectioning angle.

The precise positioning system is not only easy to use, but also provides accurate X and Y- axis adjustments.

Easy and fast switching between different specimen clamps. Two options: quick cassette clamp (standard) or standard specimen vice clamp

Ergonomic design, greatly reducing the discomfort associated with long hours of operation.

Streamlined housing facilitates the cleaning process without the need to open the housing.

**Technical Specifications**

Minimum setting of Sectioning Thickness: 1  $\mu\text{m}$

Specimen retraction: 0-28  $\mu\text{m}$

Total horizontal Specimen Feed: 29 mm

Vertical Specimen Stroke: 60 mm

Movement range of the blade holder base: 0-60 mm (front to back)

Movement range of the blade holder top plate: 0-23 mm

Maximum Specimen Size: 60  $\times$  70 mm

Specimen Orientation: XY – 8°

Precision Error:  $\pm 1\%$

Dimensions: 570  $\times$  440  $\times$  290 mm (W $\times$ D $\times$ H)

Net weight: 28kg

## Accessories

**Microtome Base Unit - MCT25**

**2-in-1 Disposable Blade Holder, Full Assembly - RAN MCT-DBH2in1**

**2-in-1 Disposable Blade Holder, Top Only - RAN MCT-DBH2in1-T**

**Permanent Knife Holder - RAN MCT-PKH**

**Quick Cassette Clamp - RAN MCT-QCC**

**Standard Specimen Vice Clamp - RAN MCT-VC**

**Head Orienting Mount - RAN MCT25-HOM**

**Dust Cover - RAN DC25**

**Waste Tray - RAN WT25**