Rotary Microtome - Manual Paraffin Section Microtome - 1-35 µm Sections - 60 mm Stroke

Model **MSRMT-150SWISS** | Brand **Master Science**





The Master Science Rotary Microtome is a hand-operated instrument for cutting thin, even ribbons of paraffin-embedded tissue. It is built for precision, steady performance and simple handling at the histology bench.

KEY HIGHLIGHTS

- Even ribbons
- Fast block facing
- Accurate alignment
- Stable on the bench
- Room to work

AT A GLANCE

1 to 35 µm for continuous sectioning; can be set above 35 µm
SECTION THICKNESS RANGE

0 to 500 µm
TRIMMING THICKNESS RANGE

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Overview

Section thickness is set from 1 to 35 µm for continuous sectioning, with thicker settings available, and trimming runs up to 500 µm. The specimen holder rotates through 360 degrees and tilts 8° on the X and Y axes for accurate block alignment.

Key Benefits

Even ribbons
the Master Science Rotary Microtome cuts continuous sections down to 1 µm.

Fast block facing
trimming steps up to 500 µm.

Accurate alignment
360° rotation with 8° X/Y orientation.

Stable on the bench
19 kg body.

Room to work
blade holder base slides 50 mm front to back.

Blocks for sectioning can be prepared on the Master Science tissue embedding center.

Technical Specifications

GENERAL	
Brand	Master Science
Model Number	MSRMT-150SWISS
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Section Thickness Range	**1 to 35 µm for continuous sectioning; can be set above 35 µm**
Minimum Section Thickness	1 µm
Trimming Thickness Range	**0 to 500 µm**
Specimen Holder Rotation	Any angle within 360°
Specimen Orientation	X/Y 8°
Total Horizontal Specimen Feed	28 mm
Vertical Specimen Stroke	60 mm
Blade Holder Base Movement	0 to 50 mm, front to back
Precision Error	±5%

DIMENSIONS & WEIGHT	
Maximum Specimen Size	40 × 32 mm
Dimensions (W×D×H)	420 × 330 × 330 mm
Net Weight	19 kg

COMMON PROBLEMS AND HOW THIS MICROTOME HELPS	
Common Problems and How This Microtome Helps	How the Master Science Rotary Microtome supports consistent sectioning:
Sections of uneven thickness	precision error within ±5%.
Slow trimming of new blocks	separate trimming range up to 500 µm.
Blocks that sit at an angle	fine X/Y orientation.
Large blocks that do not fit	accepts specimens up to 40 × 32 mm.

Applications

The Master Science Rotary Microtome is used for
Sectioning paraffin-embedded tissue blocks Preparing continuous section ribbons for slides Histology and pathology laboratories

Sectioning

- 1 to 35 µm continuous sectioning
- Settings above 35 µm possible
- Trimming from 0 to 500 µm

Specimen Positioning

- Holder rotates through 360°
- X/Y orientation of 8°
- 28 mm horizontal feed and 60 mm vertical stroke

Blade Holder

- Base moves 0 to 50 mm front to back