# 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

**Request a Quotation**
Contact us for pricing, configuration options and delivery details.

support@themsci.com
www.themsci.com

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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 |
| SKU | MSRMT-150SWISS |
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| SKU | MSRMT-150SWISS |
| 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