
Accu-Cut® SRM™ 500 Rotary Microtome

*Imagine... full control
on consistent high-quality
sections*



continuous innovation for pathology





Accu-Cut® SRM
Rotary Microtome



A close-up photograph of the SRM 500 microtome, showing the blade holder and the handwheel. The text "SRM 500" is visible in blue on the left side of the image.

SRM 500

Regain control of microtomy

Regain control of microtomy in the laboratory with the Accu-Cut® SRM™ 500. Designed to support you in producing consistently high-quality sections, this fully manual microtome serves as a reliable partner in microtomy for your lab. The SRM 500 is equipped with a variety of features to bring you control over your microtomy workload.

Benefits

- Access high-quality sections & high throughput
- Flexibility at your fingertips
- Your partner in safety
- Sleek in a sweep of a brush

Unlock your potential: High-quality sections & high throughput

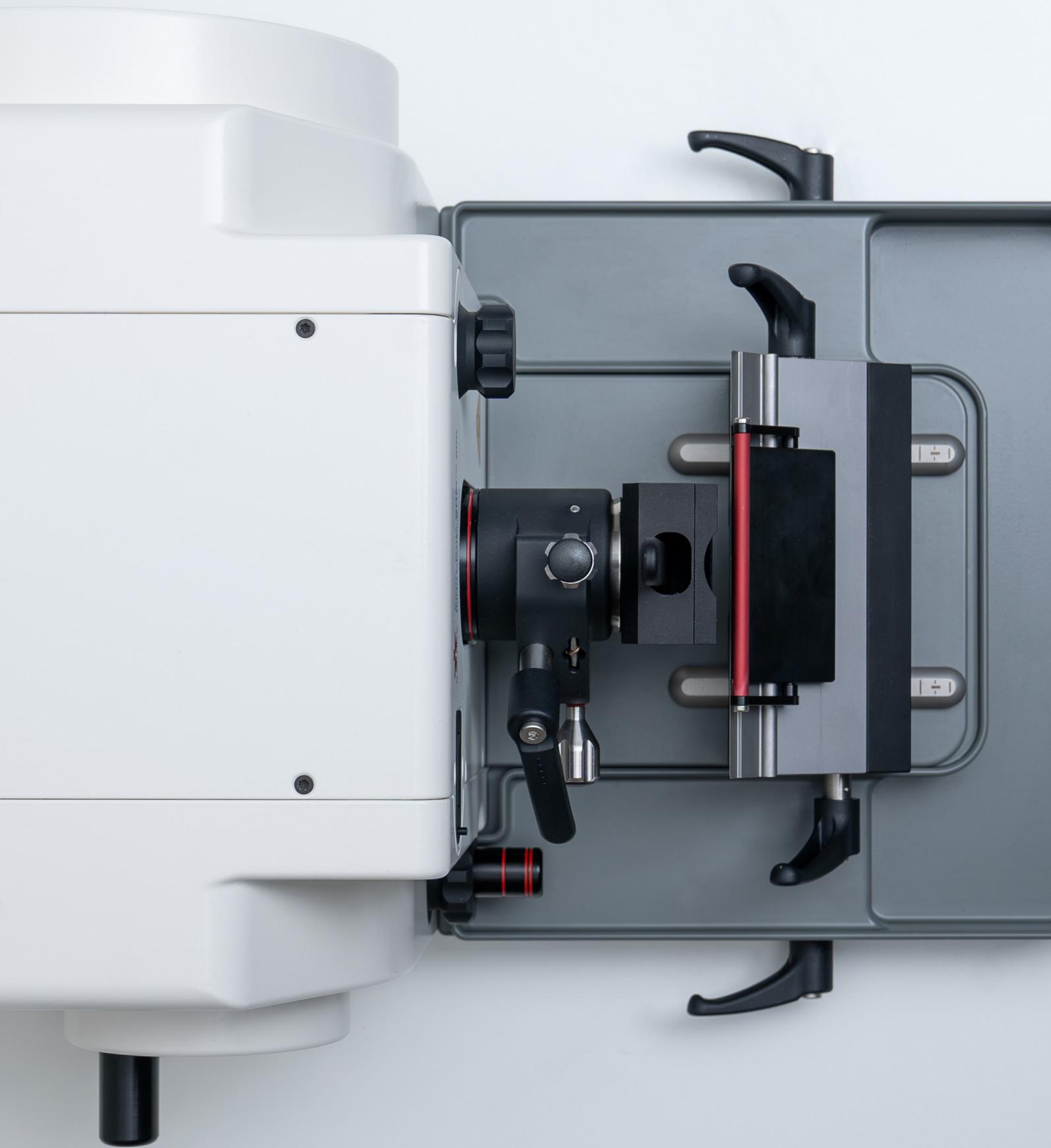
Stabilise and orientate tissue with ease with the stable object and blade holder system, paired with the horizontal and vertical cross-roller bearing system. The SRM 500 enables you to achieve consistently high sectioning quality and handle the high sample throughput in your laboratory, giving you full control over the workflow.

Flexibility at your fingertips

Section tissue comfortably and efficiently with the distinctively smooth-running handwheel and the tangible zero-point object orientation, devised to achieve optimal alignment.

Your partner in safety

Equipped with a handwheel lock that must be activated during the mounting of the object, the SRM 500 is designed to provide convenience and safety. A colour-marked finger guard serves to minimise the risk of injury when operating the SRM 500.



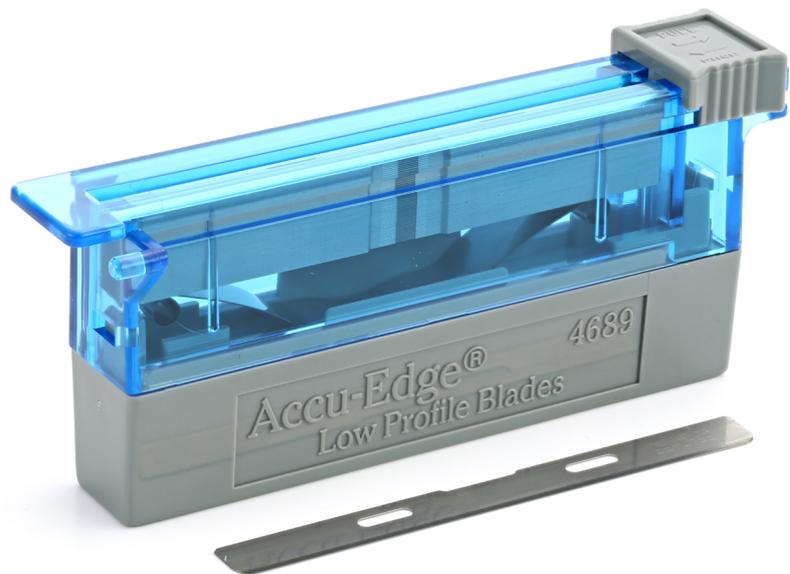
Sleek in a sweep of a brush

The surface of the housing is powder-coated, facilitating easy cleaning – this coating layer enables handy brush cleaning, designed to save time on maintenance. With the addition of the waste tray for extra convenience, waste collection is made easy.

Wide range of consumables

Combine the SRM 500 with Sakura's unique premium consumables and specifically designed accessories for consistent sectioning and optimal user convenience.

Learn more about the full list of available products in our Product catalogue and specification sheet.



Accu-Cut® SRM™ 500

Rotary Microtome

Specifications and Ordering Information



General

Name and description	Accu-Cut® SRM™ 500 Rotary Microtome Base
Itemcode	1501
Classification	Class A, IVD
Dimensions (WxDxH)	43 x 46.2 x 24 cm
Weight (without accessories)	31 kg (68,3433 lb)
Weight (shipping)	36 kg (79,3664 lb)

Intended use:

The SRM 500 is a compact, manual rotary microtome designed for preparation of thin sections of human and animal tissue samples of varying hardness, as far as they are suitable for manual cutting. The device can be used for all applications in industry, research and medicine as a diagnostic aid related to an in vitro examination within the histopathological process. It may only be operated by appropriately trained personnel. The sections obtained with the product should assist the pathologist in the evaluation of the physiological or pathological condition of the tissue samples.

Recommended accessories

The Accu-Cut® SRM™ 500 Rotary Microtome (1501) consists of a Base and Waste tray. In order to have a fully functional device, a Blade holder base, an Upper Jaw, and a Cassette clamp must be ordered separately. Our recommendations are the accessories listed below:

Description	Product numbers
Accu-Cut® SRM™ 500 blade holder base	1502
Accu-Cut® SRM™ 500 blade holder upper jaw, low profile with black pressure plate	1510
Accu-Cut® SRM™ 500 universal cassette clamp, orientable	1504

Optional accessories

Description	Product numbers
Accu-Cut® SRM™ 500 blade holder base	1502
Accu-Cut® SRM™ 500 universal cassette clamp, orientable	1504
Accu-Cut® SRM™ 500 standard object clamp, orientable	1505
Accu-Cut® SRM™ 500 universal cassette clamp	1506
Accu-Cut® SRM™ 500 standard object clamp	1507
Accu-Cut® SRM™ 500 adapter orientable	1508
Accu-Cut® SRM™ 500 section waste tray	1509
Accu-Cut® SRM™ 500 blade holder upper jaw, low profile with black pressure plate	1510
Accu-Cut® SRM™ 500 blade holder upper jaw, high profile	1511

Environmental

Operational temperature range	+10 °C to +40 °C
Operational relative humidity	10-80%, non condensing
Storage temperature	-10°C + 50°C
Storage relative humidity	10-80%, non condensing
Storage atmospheric pressure	70 - 106 kPa

Operating

Section thickness range	0.5-60 µm
Section thickness setting	0.5-10 µm. in steps of 0.5 µm.. 10-20 µm. in steps of 1 µm. 20-60 µm. in steps of 5 µm
Typical horizontal stroke	30mm
Typical vertical stroke	60 mm
Retraction distance	No retraction, 30 µm
Trimming thickness	2 Steps 10 or 20 µm
Object orientation	X- and Y-axis universal 12°, Z-axis 360°
Coarse feed advance:	Counterclockwise
Clearance angle for Blade Holder	0 to 20°

Safety features

- Blade Guard on all Blade Holders
- Handwheel locking system: Engages in any position

In conformity with

Regulation	Regulation (EU) 2017/746 on in vitro diagnostic medical devices Directive 2011/65/EU Restriction of certain Hazardous Substances (RoHS)
Classification	Classification Class A, IVD
Applied standards	IEC 61010-1:2010, IEC 61010-2-101:2018, ISO 18113-1:2022, ISO 13485:2016, ISO 14971:2019, ISO 15223-1:2021, EN 13612:2002, 2011/65/EC



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