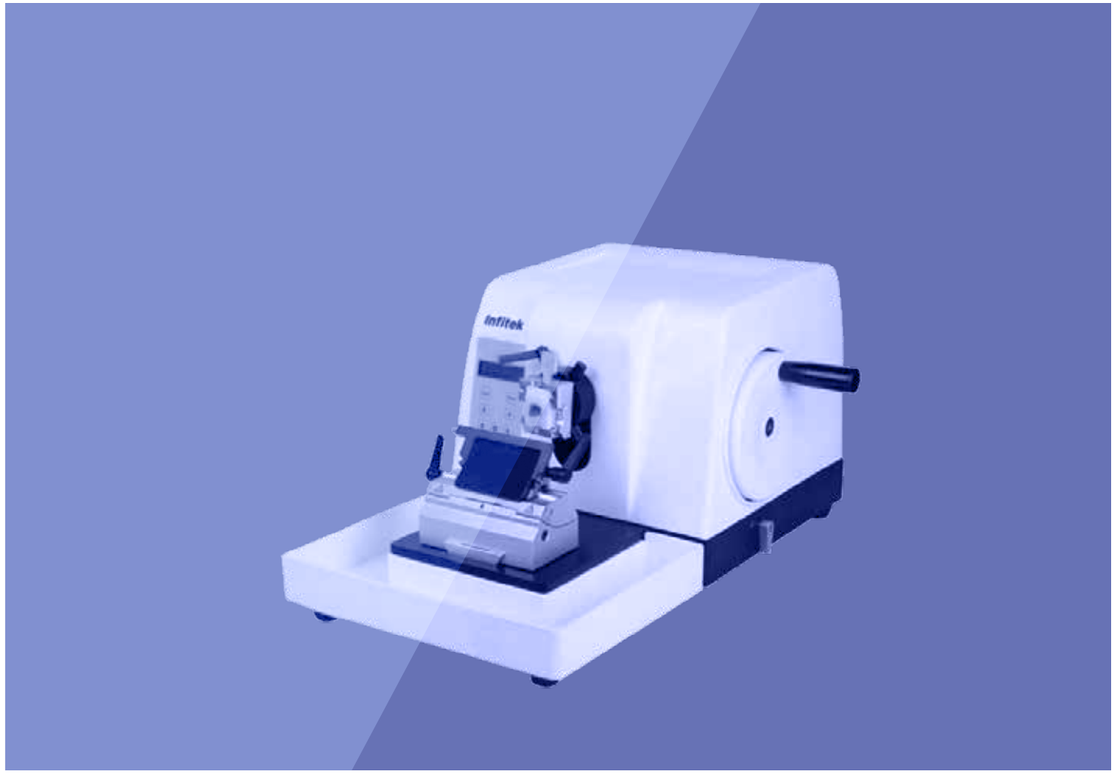
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MICROTOME



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Rotary Microtome

RMT-150



Application

RMT-150 is a special fixture, suitable for slicing hard tissues and polymer materials: such as plastics, fibers, bones, plants, hair, etc.

Specifications

Model	RMT-150
Section Thickness Setting Range	1~35μm continuous slicing ＞35μm arbitrarily adjustable slice thickness set project
	1~60μm continuous slicing ＞60μm arbitrarily adjust the slicing thickness (optional)
Trimming Thickness Setting Range	0– 500μm
Minimum Setting of Sectioning Thickness	1μm
Specimen Holder Rotation	at any angle within360 degrees
Specimen Orientation	XY – 8°
Total Horizontal Specimen Feed	28mm
Vertical Specimen Stroke	60mm
Movement Range of the Base of Blade Holder Base	0-50mm (front to back)
Maximum Specimen Size	40mm*32mm
Precision Error	±5%
Dimensions	420×330×330 mm (W×D×H)
Net weight	19kg



Description

RMT-150 Rotary Microtome integrates internationally advanced technology and design to ensure high precision, stable performance, and easy operation. This product can produce even, high-quality continuous sections, and has become a very popular type of microtome.

Advantages



The tool holder moves forward and backward, easy to operate

Whether standard steel slicing knife or disposable blade is used, ideal slicing can be obtained

The handwheel balance fine adjustment system is locked at the highest point to ensure the safety of the slicing process



Using international advanced technology and precision roller guide, the coordination is more precise

Using high-strength alloy steel and other non-ferrous metal materials, the slices are stable and reliable



The sample is clamped on the three-dimensional axis and locked arbitrarily, and the angle of the sample cut surface can be adjusted.

The outer cover of the sealed box does not need to be disassembled, and it is easy to clean

Rotary Microtome

RMT-202A

Features

LCD screen shows the number of sections and trims, equipped with a safety alarm system



Advantages



Blade holder can be moved forward-or-backward and left-or-right resulting in easy trimming and sectioning operations



LCD screen shows the number of sections and trims, equipped with a safety alarm system

Easy-to-clean housing



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Description

RMT-202A Rotary Microtome is a new 202 series possessing multiple features, such as a neat streamlined-shape housing, a hand-wheel that can be locked at the highest position, safe change specimen cassette, and LCD display and safety alert system. This well-made and cost-competitive product can provide evenly sliced sections reliably and safely.

Specifications

Model	RMT-202A
Section thickness range	1~25μm continuous slicing, >25μm arbitrarily adjust the slice thickness
Trimming Thickness Setting Range	0– 500μm
Minimum Setting of Sectioning Thickness	1μm
Specimen Orientation	XY – 8°
Total Horizontal Specimen Feed	30mm
Vertical Specimen Stroke	55mm
Movement Range of the Base of Blade Holder Base	0-50mm (front and back)
Movement Range of the Base of Blade Holder Base	0-20mm(left and right)
Maximum Specimen Size	36mm×22 mm (optional clamp40mm×32 mm) Standard wax block clip
Precision Error	±10%
Dimensions(W×D×H)	340×335×270mm
Net weight	19kg

Fully Automated Microtome

RMT-FA398

Features

Pure-green digital display of slice thickness, trimming thickness, slice count and slice speed;

Features easy and fast switching between different specimen clamps (two options: paraffin block clamp and cassette clamp);



Description



- The feeding system uses an intelligent control mechanism; enabling quick switching between manual or automated smart sectioning modes; automatic slicing speed is adjustable;
- Advanced drive systems and multiple functions including sectioning, trimming, fast forward, fast backward, quick mode conversion including automatic retraction;
- Incorporates an international advanced screw motion mechanism to ensure precision, thus achieving superior sectioning performance;



- Automatic sectioning speed is continuously adjustable
- Trimming and slicing are operated under a control system, and can be switched easily. The automated slicing controller can be equipped at either the left or right side; when automated slicing controller is off, semi-auto slicing or trimming can still be performed;
- With safety and emergency braking systems, security alarm systems, driver overload protection and an auto-sleep protection system;



Hand-wheel balance is precisely adjusted and can be locked at any position to ensure the safety and convenience of sectioning;



Blade holder can be laterally moved to avoid moving the blade with direct contact, thereby enabling use of the entire length of the blade. (three different segments);

The red protection bar on the blade holder covers the whole length of blade to protect the user and the push bar enables easy changing of the blade;



Large-volume waste tray is easy to remove, and items such as deposable blades can be stored on the top of the housing.

Specification

Model	RMT-FA398	
Section Thickness Setting Range	0.25—100μm	0.25—2.5μm increment 0.25μm
	2.5—5μm increment 0.5μm	5.0—10μm increment 1μm
	10—30μm increment 2μm	30—60μm increment 5μm
	60—100μm increment 10μm	
Trimming Thickness Setting Range	1—600μm	1—10μm increment 1μm
	010—020μm increment 2μm	020—050μm increment 5μm
	050—150μm increment 10μm	150—600μm increment 50μm
Retraction Setting Range	0—50μm (0 is off)	5-10-15—50 (optional)
Minimum Setting of Sectioning Thickness	0.25μm	
Horizontal Feed	28mm	
Vertical Specimen Stroke	70mm	
Maximum movement of tool holder base	60mm(front to back)	
Maximum left and right movement of the knife holder	23mm	
Specimen Orientation	XY – 8°	
Maximum Specimen Size	Standard wax block clip39mm×40 mm(Other sizes available)	
Feed rate	slow speed: 1500um/s, fast speed: 3500um/s	
Automatic sectioning speed	adjustable from level 0 to 15	
Emergency braking system	YES	
Slice accuracy	±5%	
Automatic slicing speed	adjustable from 0-15 levels	
Working Voltage	AC 220V±10% 50Hz (standard model); AC110V±10% 60Hz	
Power	150W	
Dimensions	580× 475× 340mm(W×D×H)	
Net Weight	41kg	

Rotary Microtome

RMT-M260

Description

- Streamlined housing facilitates the cleaning process without opening the housing, Also can put some consumables
- Hand-wheel balance is precisely adjusted and can be locked at any position





Cassette holder can be locked at any position along each of the three axes

Easy and fast switching between two specimen clamps (paraffin block clamp and cassette clamp);



The red bar on the blade holder covers the whole length of blade

The blade holder can be laterally moved and adjusted, without manually move the blade, enabling use of the full length of the blade (slicing at three different segments);



Magnetically fixed large waste tray is easy to install and uninstall

Features

- Uses imported cross-roller guide rails and a screw motion mechanism to ensure precision
- Advanced high-precision micro-drive feed system
- The precise positioning system provides accurate X- and Y- axis adjustment



Specification

Model	RMT-M260
Section Thickness Setting Range	0–60μm
Section thickness setting options	0.5–2μm increment 0.5μm
	2–10μm increment 1μm
	10–20μm increment 2μm
	20–60μm increment 5μm
Trimming Thickness Setting Range	0- 60μm
Minimum Setting of Sectioning Thickness	1μm
Total Horizontal Specimen Feed	29mm
Vertical Specimen Stroke	60mm
Movement Range of the Base of Blade Holder Base	0-60mm (front to back)
Movement Range of the Blade Press plate	0-23mm
Specimen Holder Rotation	at any angle within360 degrees
Maximum Specimen Size	Standard wax block clip39mm×40 mm （Other sizes available）
Specimen Orientation	XY – 8°
Precision Error	±5%
Dimensions(L*W*H)	610×530×420mm
Weight	40kg

Rotary Microtome

RMT-M268

Description

The red blade guard safely covers the cutting edge of the blade, and the blade can be replaced quickly and easily with the push rod

Move the knife holder left and right to effectively use the cutting edge of the blade (divide into three parts)

The sample holder can be locked arbitrarily on the three-dimensional axis

Quick and convenient interchange of specimen chucks (optional for wax block chucks and visually accurate horizontal embedding cassette chucks)



The large-capacity waste tank is easy to disassemble, and the top of the outer cover can store disposable blades and other tools

The handwheel can be locked at any point

The position of the coarse feed small handwheel is closer to the operator

Features

- Adopt international advanced cross roller guide
- Imported high-precision micro-motion sampling system
- Specially-made new and accurate positioning system, the red vertex is marked as the 0 degree positioning point of the sample, and the X/Y axis adjustment is fast, convenient and accurate



Specifications

Model	RMT-M268
Section Thickness Setting Range	0–60μm
Section thickness settingoptions	0.5–2μm increment 0.5μm 2–10μm increment 1μm 10–20μm increment 2μm 20–60μm increment 5μm
Trimming Thickness Setting Range	0- 60μm
Minimum Setting of Sectioning Thickness	1μm
Maximum Specimen Size	Standard wax block clip39mm×40 mm （Other sizes available）
Trimming Thickness	15μmand 35μm
Specimen Retraction	≥20μm
Total Horizontal Specimen Feed	28mm
Vertical Specimen Stroke	70mm
Movement Range of the Base of Blade Holder Base	0-60mm (front to back)
Movement Range of the Blade Press plate	0-23mm
Specimen Holder Rotation	at any angle within360 degrees
Specimen Orientation	XY – 8°
Precision Error	±5%
Dimensions	590×500×330mm (W×D×H)
Net weight	37kg
Package Dimension (W*D*H) (mm)	690*590*480
G.W.(kg)	56Kg

Semi-automated Rotary Microtome

RMT-SA358

Description

Blade holder can be laterally moved to avoid moving the blade with direct contact, thereby utilizing the entire length of blade (three different segments);

LCD screen shows section and trimming thickness, number of sections and trims;

Sectioning and trimming are completed through the control system;



Large-volume waste tray is easy to remove, and items such as deposable blades can be stored on the top of the housing.

Hand-wheel balance is precisely adjusted and can be locked at any position to ensure the safety and convenience of sectioning and convenience of operation;

The red bar on the blade holder covers the whole length of blade to protect the user and the push bar enables the easy changing of the blade;

Equipped with a safety alert system, drive-overload protection mechanism and an automatic standby protection mechanism;Easy and fast switching between different specimen clamps (two options: paraffin block clamp and cassette clamp);

Features



- This product adopts a streamline design, and possesses advanced features with stable performance and easy operation;
- Adopts imported cross-roller guide rails and a screw motion mechanism to ensure precision, thus achieving superior sectioning performance;



Advanced drive systems:

Specimen feed drive is controlled by an intelligent, high precision control system, enabling semi-ultrathin slicing, starting from a thickness of 0.25μm;

Specimen feeding drive utilizes an intelligent control system, it has high precision on cutting

Advanced drive systems; multiple functions including sectioning, trimming, fast forward, fast backward, conversion;

Specification

Model	RMT-SA358	
Section Thickness Setting Range	0 – 60μm	0 – 1μm increment 0.25μm
	1 – 10μm increment 1μm	10 – 20μm increment 2μm
	20 – 60μm increment 5μm	
Trimming Thickness Setting Range	0- 900μm	1 – 10μm increment 1μm
	10 – 20μm increment 2μm	20 – 100μm increment 5μm
	100 – 900μm increment 50μm	
Minimum Setting of Sectioning Thickness	0.25μm	
Total Horizontal Specimen Feed	28mm	
Vertical Specimen Stroke	52mm	
Movement Range of the Base of Blade Holder Base	0-60mm (front to back)	
Movement Range of the Blade Press plate	0-23mm	
Fast-forward & Rewind Displacement Speed	450μm/s	
With automatic sample return function		
Specimen Clamp Rotation	any angle within 360 degrees	
Specimen Orientation	XY – 8°	
Maximum Specimen Size	Standard wax block clip 39mm×40mm(Other sizes available)	
Precision Error	±5%	
Working Voltage	AC 220V±10% 50Hz (standard model); AC110V±10% 60Hz	
Power	100W	
Dimensions	580×410×305mm(W×D×H)	
Net weight	29kg	

Rotary Microtome

RMT-SA500



Segmented positioning of the blade holder

Three-segment rapid positioning to maximize the utilization of the slicing blade edge.

Blade holder angle adjustment

Blade holder angle 0~10° adjustable, blade holder front and rear position adjustable, all equipped with scale display.

Wide and narrow dual-purpose blade holder

Optional wide and narrow dual-purpose blade holder, suitable for both wide and narrow blades.

Multi-mode slicing

conventional mode, intelligence sensing mode, whole layer cutting mode, available for users to choose.

One-handed slicing and trimming

In sense mode, a single-handed half-turn of the large handwheel performs trimming, while a full turn performs sectioning. The system automatically senses and switches between these operations.

Slice retraction

The sample head automatically retracts when it moves to the lower position, and the retraction amount can be set to prevent the slice from sticking during slicing.

Slice count

The number of slices and trimming counts are clearly recorded and displayed.

Sample head memory position

Multiple sample head memory point positions can be set to quickly move to different positions.

One-click positioning of the sample head

There is no need to move the sample head back when changing the wax block, one-click return to the memory fixed point position.

Blade guard bar

The blade guard bar covers the entire length of the blade and is equipped with a safe blade-pushing structure, making blade replacement safe and convenient.

Various sample clamps

wax block clamp, embedding box clamp, extra large clamp and other clamp configurations are optional, equipped with a quick conversion seat.

Sample clamp angle adjustment

The adjustment angle is vertical and horizontal ±8° and is equipped with an angle scale indicator for easy observation.

Encoded small handwheel

The advance and retreat speed of the small handwheel can be adjusted according to usage habits, and the rotation feed direction can also be adjusted interchangeably.

Multifunctional handwheel locking structure

The large handwheel upper lock is easy and quick to operate, and the large handwheel lower lock can be locked in any position.

Handwheel hovering

The small handwheel on the left and the large handwheel on the right can hover in any position, safe and reliable.

Anti-static magnetic waste chip trough

It is treated with anti-static coating and has a magnetic structure design to connect with the base for a more stable connection.

Separate soft silicone tray

can place different tools, making cleaning easier.

Carrying handle slots

Equipped with two front and rear handle slots, moving the instrument is safer and more reliable without the need for external handles.

Intelligent fine-trimming function

Users can choose to turn it on or off to automatically adjust the slice thickness and take slices accurately.

Audible prompt

The sample head displacement travel limit position alarm buzzer prompts, which is convenient for users to judge the travel position.



OLED display

clear writing, no backlight required, 360° angles for clear viewing of displayed data, no blind spots, online switching between Chinese and English, optional wireless hand controller.

Sleep screen saver function

If there is no action for 15 minutes, it will enter automatic sleep state. Touch any key or handwheel to wake up immediately.

Lubrication-free maintenance

Using a stable and durable maintenance-free grease guide rail structure design, no need to add lubricating oil.

Specification

Model	RMT-SA500
Section Thickness Range	0.25~100μm
	0.25~2.5μm, increment 0.25μm
	2.5~5μm, increment 0.5μm
	5.0~10μm, increment 1μm
	10~30μm, increment 2μm
	30~60μm, increment 5μm
	60~100μm, increment 10μm
Trimming Thickness Range	1~600μm
	1~10μm, increment 1μm
	10~20μm, increment 2μm
	20~50μm, increment 5μm
	50~150μm, increment 10μm
	150~600μm, increment 50μm
Retraction Range	0~100μm(0 means off)
	1~5~10~15----100μm adjustable
Full Slice Interval Span	10~6000μm
	10~12~15~20~25--5000~6000μm adjustable
Counting Range of Slicing and Trimming	0~9999
Horizontal Feed	30mm
Vertical Stroke	70mm
Moving Range of Blade Holder(left to right)	0~26mm
Moving Range of Blade Holder(front to back)	0~65mm
Sample Orientation	Horizontal 8°, vertical 8°
Minimum Scale Value of Slice Adjustment	0.25μm
Maximum Specimen Size	Standard wax block clip 39mm×40 mm(Other sizes available)
Feed Speed	2000μm/s
Small Hand Wheel Feed	100~1000μm/circle adjustable
Memory Position of Sample Head	2 positions can be set at will
Slicing Accuracy	±1%
Electricity	AC110V~120V/AC220V~240V, 50Hz/60Hz
Power	100VA
External Dimension	595*465*295mm
Net Weight	28kg

Cryostat

RMT-R300

Description

Humanized hibernation function:

After selecting the hibernation state, the temperature of the freezer compartment can be automatically controlled between -1 and -9°C. After the hibernation is canceled, the sectioning temperature can be reached within 15 minutes.

Imported dual compressors:

Imported dual compressors refrigerate the freezing box, freezing table, knife holder, sample chuck, and tissue presser at five points respectively.





The 10-inch color LCD touch screen can separately display the total number of slices and the total slice thickness, slice thickness, specimen retraction value, temperature control, date, time, temperature, timing sleep switch, defrost and other functions. The operation display can be set to switch between Chinese and English operation interface, which is convenient for different users all over the world to operate.



Equipped:

The knife holder is equipped with a blade thruster and a knife guard to cover the full length of the blade, which protects the user safely.

Equipped with rubber instrument rack and waste box

Specification

Model	RMT-R300
Chamber temperature	+10℃~-60℃
Freezing shelf temperature	0℃~-50℃
Temperature control range of sample chuck	+10℃~-60℃
Additional semiconductor refrigeration in the freezer	-65℃
Number of freezing station	18 pcs
Pelletier number	6 pcs
Semiconductor fast cooling working time	15 minutes
Maximum specimen size	55mm×80mm
Vertical stroke	65mm
Horizontal stroke	22mm
Electric feed speed	0.9mm/s、0.45mm/s
Disinfection method	UV
Section thickness range	0.5μm～100μm Adjustable
	0.5μm～5μm Increment 0.5μm
	5μm～20μm Increment 1μm
	20μm～40μm Increment 2μm
	40μm～100μm Increment 5μm
Trimming thickness range	10μm～600μm Adjustable
	10μm～50μm Increment 5μm
	50μm～100μm Increment 10μm
	100μm～600μm Increment 50μm
Specimen retraction	0～100μm Adjustable Increment 5μm
Supported Languages	Chinese, English, Spanish, Russian, Portuguese
Electricity	AC110V~120V/AC220V~240V, 50Hz/60Hz
Dimension size(mm)	700×760×1160mm
Weight	135 KGS

Advantage



The temperature sensor self-checking function can automatically detect the working status of the sensor

Single-layer heated glass door, effectively preventing water mist condensation

The sample chuck travels to the limit position and automatically returns to the starting position function



X-axis 360°, Y-axis 12°universal rotation, snap-on tissue chuck, easier and faster to install the organization

Anti-adhesive tissue flattening device, With specimen refrigeration, the temperature can reach -50°, which is convenient for freezing the tissue- and saving operation time

Hand wheel positioning 360° locking function at any point

Description

The RMT-R300 Crystal Micro tome is belong to one class medical equipment.
The machine is mainly composed of four parts:

The upper part of the machine:

Is a microcomputer control part and panel operation, temperature display, and working status display part.

The middle part:

Is a low-temperature freezer, which is the part for quick freezing of biopsy tissue and sectioning operation.

The lower part:

Is the refrigeration part of the compressor unit.



The middle and rear parts

Are mechanical transmission and motor drive parts.

Application



It is a device for rapid pathological section analysis of human body, animal and plant tissues. It is widely used in hospitals, medical schools, forensics, animal and plant research units for pathological diagnosis, analysis, and research.