



RWD

RWD 2021

PRODUCT CATALOG

For Pathological Diagnosis
and Cell & Molecular Biology Research

Pathological Section Solution

Minux[®] Rotary Microtomes

Rotary microtome is a device for paraffin section, widely used in medical and biological research. It is used for pathological diagnosis in clinical, and used for research at the tissue and cell level.



► Features:

Visual pointer

- » Designed with the visual pointer on precise positioning system, easy to adjust the sample to the target angle, reducing trimming and sample waste.
- » Adjust multiple devices to the same angle easily and quickly.

The side knobs

- » Integrated with the machine, ergonomic design, make operation more comfortable and coordinated.
- » The sample feeding speed can be adjusted freely between 0-1800µm/s, more choice and more efficient.
- » Durable military-grade devices, service life is more than 20 million times.

Automatic section

- » It is stable and maintains slice consistency.
- » No extra skills required, easy to complete the operation.
- » Some specimens such as embryos and brains need to be cut for hundreds of pieces. It is hard for you, but easy for automatic section.

Easily removable waste tray

- » With magnetic function, easy to disassemble and install.
- » Special coating materials tray, easy to clean up, shorten the cleaning time to a few seconds.

► Technical Parameters

Parameters	Model	S700 Semi-Automated	S700A Fully-Automated
Section thickness setting range: 0.5 - 100 μm		✓	✓
Trimming section thickness setting range: 1 - 800 μm		✓	✓
Electric coarse feed speed: 0-1800 $\mu\text{m/s}$		✓	✓
Specimen retraction: 0-250 μm		✓	✓
Specimen feed: 28mm, vertical stroke: 70mm		✓	✓
Specimen orientation: X/Y axis 8°, Z axis 360°		✓	✓
Maximum specimen size: 55*50*30mm		✓	✓
Automated mode and manual mode switch			✓
Emergency stop button			✓
Cut window function			✓
Slice speed selection			✓
Four slice modes: Int.,Single,Cont., Multi.			✓
Pedals(optional)			✓

► Order Information

Cat No.	Product Description
S700A	Fully-Auto rotary microtome, include a box of blades(50 pcs)
S700	Semi-Auto rotary microtome, include a box of blades(50 pcs)
S700-F3	Universal clamp
S700-F4	Standard clamp
S700-F7	Blade holder assembly
S700-F9	Blade holder upper bracket
S700-F10	Easy-clean waste tray
S700-F6	Antistatic waste tray

► Disposable Microtome Blades-low profile



► Features:

- Sharp and durable, cost-effective
- For rotary microtomes and cryostats use
- Packed in a push-out distribution box for easy access

Order Information

Cat No.	Product Description
PB-1 Pro	Disposable Microtome Blades, 80mm*8mm*0.25mm, 50 pcs, for paraffin and frozen section

Minux® Cryostats

Cryostat is a device for rapidly cooling tissue to a certain hardness under low temperature conditions and then slicing. It is a quick and easy method.

Hospitals mainly use it for rapid pathological diagnosis during surgery. Researchers use it for preparation of biological tissue samples for in situ hybridization, immunohistochemistry, etc.



► Features

Stable

- **Stable temperature:** advanced temperature control system, small temperature fluctuations. Even if the window is opened for more than 1 hour, the temperature is still stable.
- **Stable slice quality:** high-precision cross rail and screw, five-phase high-resolution sampling motor and horizontal sampling slider made of aviation aluminum, form a precise sampling system to ensure stable slice quality.

Safe

- **UVC disinfection:** the latest low-temperature UVC disinfection technology. The irradiation intensity can effectively kill bacteria and viruses, disinfect the inner surface and the air of the cabinet, and reduce the risk of contamination by infectious materials.
- **Waste liquid management system:** a waste liquid volume display on the touch screen. There are reminders of full bottle and not in place to prevent waste liquid from flowing out and contaminating the ground.

Efficient

- **Efficient operation:** the color touch screen, with a joystick that integrates coarse sample feeding, trimming and section switching, and slice parameter adjustment, constitutes an efficient operating system.

- **Quick positioning:** precise positioning system with $\pm 8^\circ$ visual pointer, easy to adjust the specimen clamp to the target angle, reducing trimming and sample waste.
- **Automatic sleep and wake-up:** saving energy, simplify manual operation and reduce waiting time.
- **Sample installation and marking:** Buckle design, convenient installation and firm fixation. The unique label design of specimen discs makes it easy to record and identify each sample to prevent confusion.
- **Efficient and thorough defrosting:** automatic defrosting for cryochamber, specimen head, quick-freeze shelf, more thorough. For manual defrosting, there are different parts to choose to improve efficiency.

► Technical Parameters

Parameters	Model	FS800 Semi-Automated	FS800A Automated
Section thickness setting range: 0.5 - 100 μm		✓	✓
Trimming section thickness setting range: 1 - 800 μm		✓	✓
Electric coarse feed speed: 0-1800 $\mu\text{m/s}$ adjustable		✓	✓
Specimen retraction: 0-250 μm		✓	✓
Specimen feed: 28mm		✓	✓
Vertical stroke: 70mm		✓	✓
Specimen orientation with visual pointer: X/Y axis 8° , Z axis 360°		✓	✓
Number of refrigerated sites: 15		✓	✓
Number of fast cooling sites: 2		✓	✓
Cryochamber temperature range: $0^\circ\text{C}\sim-35^\circ\text{C}$		✓	✓
Automatic and manual defrosting		✓	✓
Automatic and manual UVC disinfection		✓	✓
Automated mode and manual mode switch			✓
Emergency stop button			✓
Cut window function			✓
Slice speed selection			✓
Four slice modes: Int.,Single,Cont., Multi.			✓
Pedals(optional)			✓

► Order Information

Cat No.	Type	Product Description
FS800	UV	Semi-Auto,with UVC disinfection function
	Specimen	Semi-Auto,with UVC disinfection,specimen cooling system
	Vacuum	Semi-Auto,with UVC disinfection,Vacuum,specimen cooling system
FS800A	Auto	Fully-Auto,with UVC disinfection,specimen cooling system,auto section function
	Max	Fully-Auto,with UVC disinfection,vacuum,specimen cooling system,auto section function

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The logo consists of the letters 'RWD' in a bold, blue, sans-serif font. The 'R' and 'W' are connected at the top, and the 'D' is positioned to the right. The background features a large white circle on the left and a teal-to-blue gradient circle on the right, both partially cut off by the page edges.

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