

RWD

Precise and safe Intelligent and convenient

Minux[®] Rotary Microtomes

S700A/S700





Precise sampling system

- ④ Precise cross roller bearings and screw rod, combined with a five-phase high-resolution stepper motor and a Link block made of aviation aluminum, form a high-precision sampling system to ensure section quality.
- ④ Precision motor and encoder make automatic section steady and smooth. Operation life of encoder is more than 30 million times.



Precise knife holder

- ④ The position change is extremely small after changing the knife edge by moving sideways.
- ④ Scales on the knife holder to determine the best position of the blade holder.



Dual handwheel locking system

- ④ Handwheel lock on top of the handwheel, safe to replace the sample.
- ④ Any position lock to brake the handwheel in any position.

Knife guard device

- ④ The knife guard covers the full length of the blade to avoid potential injury during operation.

Electronic brake and emergency stop button

- ④ After auto section, electronic brake keeps the handwheel in a stable state for safe blade and specimen handling.
- ④ In order to eliminate the danger quickly, press the red stop button to stop automatic section in an emergency.



Convenient

Rapid positioning

- ④ Unique visual pointer, visible angle adjustment. Sample positioning is faster and more precise.
- ④ Adjust multiple devices to the same angle easily and quickly.



Easy to clean

- ④ With magnetic function, easy to disassemble and install.
- ④ Large capacity, special coating waste tray, easy to clean up, shorten the cleaning time to a few seconds.

Convenient operation

- ④ Side sample feeding knob integrated with the microtome. Use with fingers, no need to wave arm and wrist, minimize the risk of developing repetitive motion disorders(RMD).
- ④ The feeding speed can be adjusted freely between 0-1800um/s, more choice and more efficient.
- ④ Durable military-grade devices. Operation life is more than 20 million times.



Information backtracking

- ④ With historical record system, operation and alarm logs are shown on 5-inch touch screen, to query the microtome usage and facilitate information tracking.

Intelligent

Automatic section

- ④ Automatic section maintains slice consistency and stability. 4 section modes to choose. No extra skill required, easy to complete the section operation.
- ④ Some specimens such as embryos and brains need to be cut for hundreds of pieces. It is hard for manual operation, but easy for automatic section.
- ④ Cutting window function improve the efficiency of automatic section.



5-inch large touch screen,
operable even with gloves

Side sample feeding
knob, make operation
more comfortable

Section thickness range
0.5-100 μ m
0.5 - 5.0 μ m in 0.5 μ m increments
5- 20 μ m in 1 μ m increments
20 - 30 μ m in 2 μ m increments
30- 60 μ m in 5 μ m increments
60- 100 μ m in 10 μ m increments

Visual pointer ,
visible angle adjustment

Double locking system for
handwheel to keep safe

Knife guarding , protect
the safety of the operator



Available accessories



Universal clamp
S700-F3



Standard clamp
S700-F4



Blade holder assembly
S700-F7



Blade holder upper bracket
S700-F9



Foot Switch
S700A-F3






Easy-clean waste tray
S700-F10

Microtome Blades



Low profile blades PB-2

Feature

-  Using PLASMA technology, sharp and durable.
-  Cost-effective.
-  For Rotary Microtome and Cryostat use.

Type	Specification	Amount	Angle
PB-2	80*8*0.25mm	50pcs	35°

Quick Compare Chart

	S700 Semi-Auto microtome	S700A Fully-auto microtome
Section thickness range: 0.5 - 100 μm	✓	✓
Trimming section thickness range: 1 - 800 μm	✓	✓
Electric coarse feed: 0 - 1800μm/s adjustable	✓	✓
Specimen retraction: 0 - 250μm adjustable	✓	✓
Horizontal feed: 28mm	✓	✓
Vertical stroke: 70mm	✓	✓
Specimen orientation: X/Y axis 8°	✓	✓
Maximum specimen size: 55*50*30mm	✓	✓
W x D x H: 470*553*305mm	✓	✓
Machine Weight	28KG	36.4KG
Rock mode	✓	✓
Position memory function	✓	✓
Fully auto and manual section mode switch		✓
Emergency stop button		✓
Cut window		✓
Auto section speed adjustable		✓
4 auto section modes: Cont., Int., Single, Multi.		✓
Pedals (optional)		✓

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