

RWD|瑞沃德

# Minux<sup>®</sup> Rotary Microtomes

Precise and safe and convenient 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 blade holder

- ④ The position change is extremely small after changing the blade edge by moving sideways.
- ④ Scales on the blade base to determine the best position of the blade holder.
- ④ The 2-in-1 blade holder satisfies the use of high and low-profile blades.



### 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

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



### Easy to clean

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

### Convenient operation

- 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).
- The feeding speed can be adjusted freely between 0-1800  $\mu\text{m}/\text{s}$ , more choice and more efficient.
- Durable military-grade devices. Operation life is more than 20 million times.



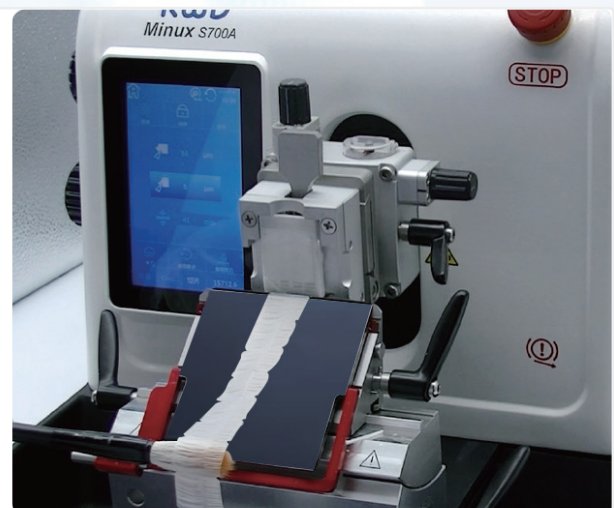
### Information backtracking

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

## Intelligent

### Automatic section

- Automatic section maintains slice consistency and stability. 4 section modes to choose. No extra skill required, easy to complete the section operation.
- 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.
- Cutting window function improves the efficiency of automatic section.







5-inch large touch screen,  
operable even with gloves

Visual pointer ,  
visible angle adjustment

Side sample feeding  
knob, make operation  
more comfortable

Double locking system for  
handwheel to keep safe



Section thickness range

Knife guarding , protect  
the safety of the operator

0.5-100 $\mu$ m

0.5 - 5.0  $\mu$ m in 0.5 $\mu$ m increments

5- 20 $\mu$ m in 1 $\mu$ m increments

20 - 30  $\mu$ m in 2 $\mu$ m increments

30- 60  $\mu$ m in 5 $\mu$ m increments

60- 100 $\mu$ m in 10 $\mu$ m increments



## Available accessories



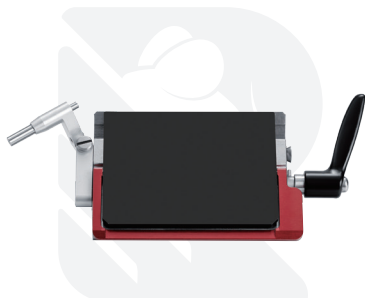
Universal clamp  
S700-F3



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-1 Pro

#### Feature

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



Type	Specification	Amount	Angle
PB-1 Pro	80*8*0.25mm	50pcs	35°

## Quick Compare Chart

	S700 Semi-Auto microtome	S700A Fully-auto microtome
Section thickness range: 0.5 - 100 $\mu\text{m}$	✓	✓
Trimming section thickness range: 1 - 800 $\mu\text{m}$	✓	✓
Electric coarse feed: 0 - 1800 $\mu\text{m/s}$ adjustable	✓	✓
Specimen retraction: 0 - 250 $\mu\text{m}$ adjustable	✓	✓
Horizontal feed: 28mm	✓	✓
Vertical stroke: 70mm	✓	✓
Specimen orientation: X/Y axis 8°	✓	✓
Maximum specimen size: 60*50*40mm	✓	✓
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 )		✓

## Standard configuration

	S700 Semi-Auto Microtome	S700A Fully-Auto Microtome
Host of Microtome	✓	✓
Blade holder assembly	✓	✓
Universal clamp	✓	✓
Tool set	✓	✓
Easy of cleaning section waste tray (Large)	✓	✓
User manual	✓	✓
Power cable	✓	✓
Dust cover	✓	✓
Dummy plug		✓

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