

RWD

Precise and safe Intelligent and convenient

# Minux® Rotary Microtomes

S700A/S700



## Precise

### Precise sampling system

- ② 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.
- ② Precision motor and encoder make automatic section steady and smooth. Operation life of encoder is more than 30 million times.



### Precise knife holder

- ② The position change is extremely small after changing the knife edge by moving sideways.
- ② Scales on the knife holder to determine the best position of the blade holder.



## Safe

### Dual handwheel locking system

- ② Handwheel lock on top of the handwheel, safe to replace the sample.
- ② Any position lock to brake the handwheel in any position.

### Knife guard device

- ② The knife guard covers the full length of the blade to avoid potential injury during operation.

### Electronic brake and emergency stop button

- ② After auto section, electronic brake keeps the handwheel in a stable state for safe blade and specimen handling.
- ② In order to eliminate the danger quickly, press the red stop button to stop automatic section in an emergency.



## Convenient

### Rapid positioning

- ② Unique visual pointer, visible angle adjustment. Sample positioning is faster and more precise.
- ② Adjust multiple devices to the same angle easily and quickly.



### Convenient operation

- ② 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).
- ② The feeding speed can be adjusted freely between 0-1800um/s, more choice and more efficient.
- ② Durable military-grade devices. Operation life is more than 20 million times.



### Easy to clean

- ② With magnetic function, easy to disassemble and install.
- ② Large capacity, special coating waste tray, easy to clean up, shorten the cleaning time to a few seconds.

### Information backtracking

- ② 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

- ② Automatic section maintains slice consistency and stability. 4 section modes to choose. No extra skill required, easy to complete the section operation.
- ② 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.
- ② Cutting window function improve the efficiency of automatic section.



# Structure

5-inch large touch screen,  
operable even with gloves

Side sample feeding  
knob, make operation  
more comfortable

Section thickness range  
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

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 $\mu\text{m}$	✓	✓
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: 55*50*30mm	✓	✓
W x Dx 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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