

RWD

Stable | Efficient | Safe

# Minux® Cryostats

FS800A/FS800



## **Stable**

### **Stable temperature**

② The cryochamber temperature is adjustable between 0~35°C. Compressor adopts frequency conversion working mode, intelligent temperature control. When the glass door is open for more than 2 hours, the temperature fluctuation within 2°C.

② Effective specimen cooling system(optional), adjustable temperature range -10°C~50°C with low pressure cooling system and semiconductor refrigeration, faster temperature regulation, low failure rate.

### **Stable section quality**

② The precision cross roller guide rails provide guarantee for section smoothness and accuracy.  
② Precise screw rod meets the 0.5μm sample injection requirements.  
② The five-phase high-resolution stepping motor has higher positioning accuracy and lower motor vibration.  
② The horizontal sampling slide is made of aviation aluminum, with ultra-high strength and corrosion resistant.



High quality section



Stable temperature



Precise sampling system



Effectice specimen cooling system



## Efficient



**Efficient operating system**

② 7 inch touch screen, intuitive and easy to operate.  
② The joystick integrates coarse sampling, trimming and section switching, and section parameter adjustment for efficient operation.



**Rapid sample positioning**

② Precise positioning system with visual pointer, easy to adjust the sample to the target angle, reducing trimming and sample waste.



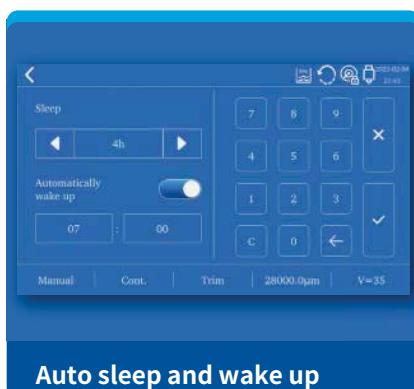
**Efficient defrosting**

② Automatic defrosting for cryochamber, specimen head, quick-freeze shelf, more thorough.  
② For manual defrosting, there are different choice to improve efficiency.



**Auto section**

② For extra ease of use and consistent sectioning of all specimen types, an optional auto section is available.  
② Cut window to improve auto section efficiency.



**Auto sleep and wake up**

② Energy saving and environmental protection, meanwhile eliminate waiting time.



**Specimen loading and marking**

② Single lever operation, efficient specimen loading. It provides maximum clamping force independent of individual user strength.  
The unique label design of specimen discs makes it easy to record and identify each sample to prevent confusion.

## Safe



**UVC disinfection**

For an extra measure of safety, the inside of the instrument features an UVC disinfection system, can be used at any time and low temperature. The intensity is above 340 uw/cm<sup>2</sup>.



**Ergonomic design**

Ergonomic exterior cabinet with circular arc design. The height adjustable footrest (optional) makes each user feel more comfortable.



**Remove section waste**

Section waste is easily removed by using the optional Section Waste Removal System, no need to clean by hand.



**Waste liquid management**

There is an icon showing current storage. If it is above 90%, the icon will turn red. If the waste bottle is not in place, the icon will flash to remind.



## Available accessories



FS800-F3  
Stationary heat  
extractor



FS800-F13  
Footrest



S700A-F3  
Foot Switch



FS800-F2  
Blade holder  
assembly



FS800-F14  
Movable shelf



FS800-F21  
Storage system



FS800-F4/F5/F6/F7  
Φ20/Φ30/Φ40/Φ55  
Specimen discs

## Microtome Blades



### Low profile blades PB-2

#### FEATURE

- Using PLASMA technology, sharp and durable
- Cost-effective
- For rotary microtomes and cryostats use

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

## Technical parameter

<b>Section thickness range:</b> 0.5 - 100 $\mu\text{m}$	<b>Trimming section thickness range:</b> 1 - 800 $\mu\text{m}$
0.5 - 5 $\mu\text{m}$ in 0.5 $\mu\text{m}$ increments	1 - 10 $\mu\text{m}$ in 1 $\mu\text{m}$ increments
5 - 20 $\mu\text{m}$ in 1 $\mu\text{m}$ increments	10 - 20 $\mu\text{m}$ in 2 $\mu\text{m}$ increments
20 - 30 $\mu\text{m}$ in 2 $\mu\text{m}$ increments	20 - 50 $\mu\text{m}$ in 5 $\mu\text{m}$ increments
30 - 60 $\mu\text{m}$ in 5 $\mu\text{m}$ increments	50 - 100 $\mu\text{m}$ in 10 $\mu\text{m}$ increments
60 - 100 $\mu\text{m}$ in 10 $\mu\text{m}$ increments	100 - 800 $\mu\text{m}$ in 50 $\mu\text{m}$ increments
<b>Specimen retraction:</b> 0-250 $\mu\text{m}$ , adjustable	<b>Peltier element temperature:</b> reduced to -50°C~60°C
<b>Horizontal feed: 28mm, vertical stroke:</b> 70mm	within 3 minutes, at chamber temp. -35°C
<b>Specimen orientation:</b> 8°(X-, Y-axis), 360°rotation of specimen disc	<b>Number of freezing stations:</b> 2
<b>Electric coarse feed:</b> 0-1800 $\mu\text{m}/\text{s}$	<b>Defrost:</b> automatic defrost, manual defrost
<b>Cryo chamber temperature range:</b> 0~35°C	<b>UVC disinfection:</b> 30 or 180 minutes, user selectable
<b>Specimen Cooling (optional) temperature range:</b> -10°C~50°C	<b>Section mode:</b> automatic section, manual section
<b>Quick-freeze shelf minimum temperature:</b> down to -42°C, at chamber temp. -35°C	<b>Automatic section mode:</b> Single, Cont., Int., Multi.
<b>Number of freezing stations:</b> 15	<b>Electric section speed:</b> 0.5~450mm/s
	<b>Width (with handwheel) x Depth x Height:</b> 835*1000*1215mm
	<b>Working height (armrest):</b> 1025mm

## Customize on demand

You can choose different configurations and functions according to your research needs.

Model	Configuration	UVC disinfection	Vacuum	Specimen cooling system	Auto section	Note
FS800	UV	√				For large specimen numbers and varying specimen types with UVC for increased user safety.
	Specimen	√		√		Most popular cryostat with individually controlled temperature settings on both the cryochamber and the specimen holder.
	Vacuum	√	√	√		With vacuum cleaning system for optimized safety.
FS800A	Auto	√		√	√	With motorized section to improve reproducibility.
	Max	√	√	√	√	Fully automatic cryostat with vacuum cleaning system for whole function.

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