

# 6250 Cryostat Microtome

## 04 Innovative design we care for you

### 1. Disinfection

The UV lamp allows the instrument to disinfect itself.(scheduled or manual).

### 2. Clear sight

The glass door is heated and prevent frost to build up.

### 3. Sorting specimens

Specimens can be sorted in numerical order.

### 4. Defrost timer

A defrost time could be set to work at night only for 15 minutes.

### 5. Innovative Drying button

The instrument has a rapid drying system which saves the time of naturally drying the condensate water in the chamber.

### 6. Unique concept

The one-time injected, continuous mold of the cryostat makes it easy to maintain and clean.

## Technical Parameter

### 6250 Cryostat Microtome

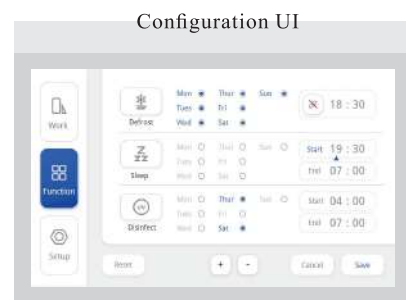
Section thickness	1μm~100μm
Trimming thickness	1μm~600μm
Retraction	0μm ~ 200μm
Increment speed	300μm/s (±10%) , 900μm/s (±10%)
Chamber temp	-35°C ~ +40°C
Freezing plate temp	Minimum temperature -40°C (±5°C)
Number of freezing plates	18pcs
Rapid cooling Peltier Stations	2pcs, Minimum temperature -60°C (±5°C)
Size (with handwheel)	780mm*700mm*1280mm
Weight with packaging	208±10kg
Power consumption	1200VA
Supply voltage/ frequency	220-240VAC,50HZ/110-127VAC,60HZ



UV disinfection



Working UI



Configuration UI



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# 01 Reliable section quality Precise mechanical movement

## 1. Uniform section quality

Driven by a precise motor, the instrument can function accurately thus produce uniform section.

## 2. Heavy duty operation

Durable motion guide rail makes it easy to deal with multiple tasks.

## 3. Applicable for all kinds of tissues

Universal adjustable specimen discs, works for finding perfect section angle for small tissues like kidney tissue.

## 4. Anti-sticking hammer

The cooling hammer is coated with an anti-sticking layer which prevents the specimen from sticking.



# 02 High efficiency

## 1. Visualized operation

Large color touch screen, makes visual strock scale and operation visualized and easier.

## 2. High-capacity

With a large freezing plate, 20 specimens can be frozen per operate.

## 3. Qualified sectioning technique

The high-quality blade holder, adapts to both high and low profile, with unique anti-seize coating and arc designation, reduces trembling during sectioning thus benefits the continuously sectioning.

## 4. Innovative Anti-roll

Anti-roll plate designed with clamp which can hold at any position could function flexibly.

## 5. Sleep mode

The system supports presetting working time, switch from sleep mode to working mode automatically on time.



# 03 Smart temperature control system provides an ideal temperature for your specimens

## 1. Powerful compressor

Continuous sectioning is made possible due to the quality compressor, which keeps the chamber and plate under stable conditions.

## 2. Patented smart temperature algorithm

Chamber temperature is kept cool in assurance of many accurate temperature sensors and 2 peltier elements.

## 3. Anti-sticking

The patented technology design of freezing plate ensures no frost are formed during freezing and no specimen is stick to the plate at the same time.

## 4. Rapid cooling peltier stations

With the rapid cooling peltier stations, the temperature can rapidly reach and stabilize around  $-55^{\circ}\text{C}$  to  $-65^{\circ}\text{C}$ .

