

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

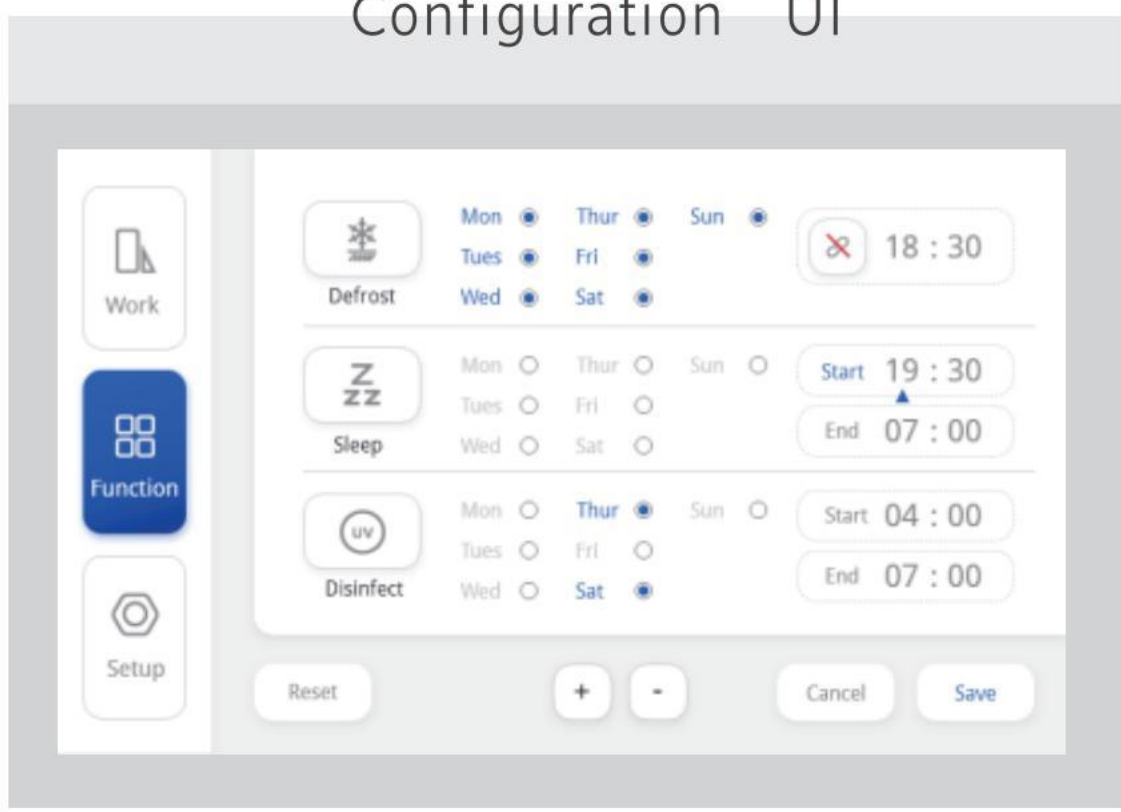
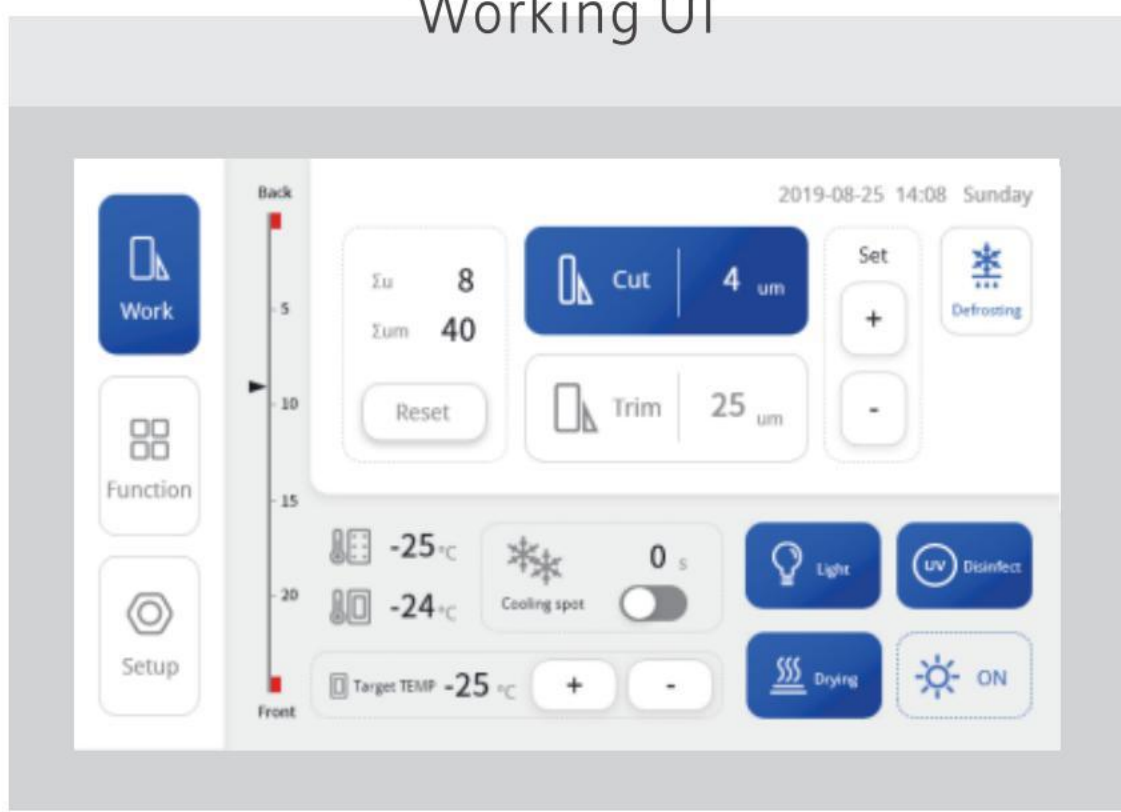
The instrument has a rapid drying system which saves the time of naturally drying the condensate water in the chamber.

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℃ ~ +40℃
Freezing plate temp	Minimum temperature -40℃ (±5℃)
Number of freezing plates	18pcs
Rapid cooling peltier stations	2pcs, Minimum temperature -60℃ (±5℃)
Size (with handwheel)	780mm*700mm*1280mm
Weight with packaging	208±10kg
power consumption	1200VA
Supply voltage / frequency	220-240VAC , 50HZ/110-127VAC , 60Hz



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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 stablize around -55°C to -65°C.

