

DAKEWE

6250

Cryostat Microtome



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

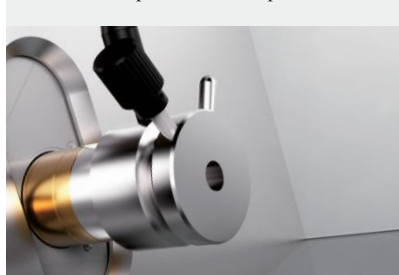
The cooling hammer is coated with an anti-sticking layer which prevents the specimen from sticking.



Hand wheel with lock



Specimen clamp



Slide placement area



02 High efficiency

1. Visualized operation

Large color touch screen, makes visual stroke 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.



Color touch screen



Numbered freezing plates



Anti-roll plate



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

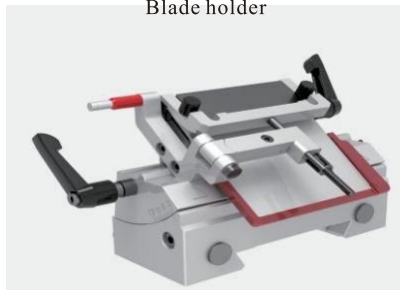
With the rapid cooling peltier stations, the temperature can rapidly reach and stabilize around -55°C to -65°C .



Anti-frost glass door



Blade holder



Rapid cooling peltier stations



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

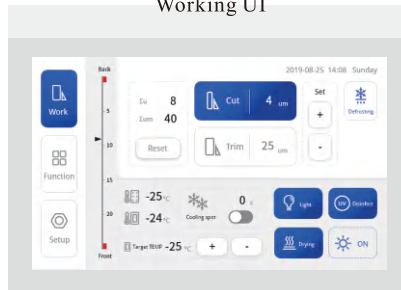
The one-time injected, continuous mold of the cryostat makes it easy to maintain and clean.



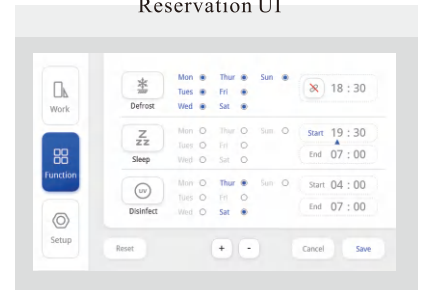
UV disinfection



Working UI



Reservation UI



Specifications

Trimming thickness range	1 — 600 μm
Trimming thickness	1 — 50 μm in 5 μm increments 50 — 100 μm in 10 μm increments 100 — 600 μm in 50 μm increments
Section thickness range	1 — 100 μm
Section thickness	1 — 20 μm in 1 μm increments 20 — 50 μm in 2 μm increments 50 — 100 μm in 5 μm increments
Retraction	0 — 200 μm in 5 μm increments , adjustable
Horizontal stroke	25 $\pm$ 1 mm
Vertical feed	59 $\pm$ 0.5 mm
Forward/backward speed	300 $\mu\text{m/s}$ (slow), 900 $\mu\text{m/s}$ (fast)
Freezing chamber temperature	-35 $^{\circ}\text{C}$ — 40 $^{\circ}\text{C}$ adjustable
Power	100 - 240 VAC, 50/60 Hz, 170 VA
Dimensions (WxDxH)	780 $\times$ 700 $\times$ 1280 mm, including handwheel
Weight	Approx. 120 kg

DAKEWE

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