



CRYOSTAT Micro Tek BL-2235



Key Features

- Extra-large freeze chamber has UV light sterilization, automatic defrost, and standby mode.
- LED touch screen control panel is large and easy to use. It shows all information including thickness for section and trimming, retraction, temperature control, defrost control, time on / off and so on.
- Top of cryostat allows for easy storage and access to glass slides, stains, and tools.
- Smooth turning hand wheel with 360° locking mechanism.
- Double compressor system allows for fast freezing and robust lifespan of cryostat, and total 5 parts including Chamber, blade holder, clamp, freezing shelf and smoothing board in freezing condition.
- Waste collection for liquid condensate is safe and easily accessible.
- Specimen holder is easily adjustable and clamps to specimen disc for stability.

- Knife holder is fully adjustable with anti-rolling plate and blade guard. Anti-roll plate with knife guard
- One-Click to return specimen clamp to initial position automatically when clamp reach to limited position
- Molds shaped one-time, Germany accessory and high quality Teflon surface treatment
- Specimen retraction function, protects specimen from blade injury
- Trimming/Cutting button makes it easy to switch from trim and section mode
- Equip with counter to calculate total pieces and thickness.
- The low temperature refrigeration system with pro-environment refrigerant R404
- Temperature can drop to working condition in 40 minutes after switching on.
- Adopt to UVC sterilize for 35 minutes every time to optimize safety for cutting cryosections
- Peltier may be on or off manually.
- Heated, removable sliding window.
- Two defrost methods: definite time and manual, automatic defrost system built in, with cool air circulation that automatically starts to cool air circulating around the cutting specimen, knife, and anti-roll guide
- Fully encapsulated microtome for maintenance free reliability. The high-precision microtome is enclosed outside the cryostat chamber to protect it from thermal expansion and contraction and keep minimum service and maintenance.
- Self-explanatory symbols for all functions and displays, easy to learn and operate.
- Standby mode, after initializing, temperature in cryostat chamber can be controlled between -5°C and -15°C by computer automatically; when stop initializing, the temperature in freeze chamber will arrive to working temperature within 15 minutes
- Control panel with locking function to avoid wrong operation.
- With vacuum cleaner easy to clean the chamber
- Sensor self-diagnosis function ,with a auto detected and alarm system for temperature sensor status
- Wide freezing shelf can put 36 specimens discs and including 8 stations with the Peltier fast-freeze mechanism (blue).
- Knife holder for both of low profile blade and high profile blade

Technical Specifications

- freeze chamber temperature range: 0°C ~ -50°C
- Blade holder and clamp temperature range: 0°C ~ -50°C
- Cooling down time to -50°C: 40 min
- Freeze shelf routine temperature: 0°C ~ -50°C
- Lowest temperature of Peltier unit on freeze shelf: -60°C

- Peltier working time: 15 minutes
- Maximum specimen size: 55mm×80mm
- Specimen vertical stroke: 65mm(70mm is optional)
- Specimen horizontal stroke: 22mm
- Coarse feeding speed: 0.9mm/s; 0.45mm/s
- X/Y-axis:12°, Z-axis:360°, the specimen holder has 360-degree specimen orientation
- Section thickness range: 1-100μm
0.5μm ~ 100μm adjustable:
0.5μm ~ 5μm, in 0.5μm increment; 5μm ~ 20μm, in 1μm increments;
20μm ~ 50μm, in 2μm increments; 50μm ~ 100μm, in 5μm increments
- Trimming thickness range: 0μm ~ 600μm
0μm ~ 600μm adjustable:
0μm ~ 50μm, in 5μm increments; 50μm ~ 100μm, in 10μm increments; 100μm ~ 600μm, in 50
μm increments;
- Retraction range: 0μm ~ 60μm adjustable; in 2μm increment
- Voltage and frequency: AC220V±10% 50Hz(Standard) Special requirement may
customize by order.
- Power: 500W
- Weight: 150kg
- Dimensions(W×D×H): 700×760×1160mm

