



ACM30

| Automatic cryostat

Details Info

Features

- The specimen retraction function, protects the specimen from blade damage.
- Electronic Trim/Cut function makes it easy to switch from trim and section mode.
- The refrigeration system contains one compressor, which is made in , and freezes the cryostat chamber and shelf separate with environmentally safe refrigerant (R404)
- The chamber temperature can drop to working condition within 60 minutes after switching the unit on.
- Sterilization can be accomplished with UV light within 35 minutes after use.
- Peltier may be switched on or off manually.
- Unit contains heated, removable sliding window.
- Unit contains two defrost methods: definite time and manual
- 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 make the unit easy to learn and operate.
- LED screen can display data such as sample travel, thickness, function control, day, time, temperature and time on/off.
- Stand by mode, after initialization, the temperature in cryostat chamber can be controlled between -4°C an -9°C by computer automatically; once stopped initializing, the temperature in freeze chamber will arrive to working temperature within 10 minutes
- Control panel with locking function to avoid improper operation.
- Multi position handwheel lock.
- Sensor self-diagnosis function.
- Wide freezing shelf may put 10 specimen cassettes
- Specimen orientation on X/Y axes 8°and specimen rotation on Z axes 360°

Specifications:

Freeze chamber temperature rage	-10℃~-30℃
Cooling down time to -30℃	60 min

Freeze shelf minimum temperature	-45°C
Peltier working time	15 minutes
Lowest temperature of Peltier unit on freeze shelf	-55°C
Maximum specimen size	35mm×35mm
Specimen vertical stroke	60mm
Specimen horizontal stroke	20mm
Coarse feeding speed	0.7mm/s; 0.35mm/s
Section thickness range	1μm~80μm adjustable 1μm~20μm, in 1μm increment 20μm~40μm, in 2μm increments 40μm~80μm, in 5μm increments
Trimming thickness range	10μm~400μm adjustable 10μm~50μm, in 5μm increments 50μm~100μm, in 10μm increments 100μm~400μm, in 50μm increments
Retraction range: 0μm~80μm adjustable; in 5μm increment	Retraction range: 0μm~80μm adjustable; in 5μm increment
Voltage and frequency	AC220V±10% 50Hz(Standard) Special requirement may customize by order
Power	650W
Weight	125kg
Dimensions(W×D×H)	660×640×1130mm



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