



ACM40

| Automatic cryostat

Details Info

Features

- Specimen retraction function, protects specimen from blade damage
- Electronic Trim/Cut function makes it easy to switch from trim and section mode
- Unit is equipped with with counter to calculate total pieces cut and total thickness.
- Dual compressors, which are made in , freeze the cryostat chamber, freezing shelf, knife holder and specimen clamp separate with environmentally friendly refrigerant (R404)
- Chamber temperature can drop to working condition in 60 minutes after switching on.
- Sterilization can be accomplished with UV light within 35 minutes after use.
- Peltier may switched be on or off manually.
- Unit contains heated, removable sliding window.
- Unit has two defrost methods: definite time and manua
- The high-precision microtome is enclosed outside the cryostat chamber to protect it from thermal expansion and contraction and keeping service and maintenance to a minimum
- Self-explanatory symbols for all functions and displays make the unit easy to learn and operate.
- LCD screen can display data such as sample travel, thickness, function controlling, 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 locking
- Sensor self-diagnosis function.
- Wide freezing shelf may hold 10 specimen cassettes

Technical Specifications:

freeze chamber temperature rage	-10℃~-30℃
Cool down time to -30℃	60 min

Lowest temperature of Peltier unit on freeze shelf	-55°C
Freeze shelf minimum temperature	-45°C
Peltier working time	15 minutes
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
Power	650W
Voltage and frequency	AC220V±10% 50Hz(Standard) Special requirement may be customized
Weight	125kg
Dimensions(W×D×H)	660×640×1130mm



Head Office :1600 AVENUE DE LORIMIER BUREAU, 384 MONTRÉAL (QUÉBEC) CANADA H2K3W8 USAOffice:128 W SUFFLOK AVE,CENTRAL ISLIP,11722 N
Middle east & Africa Office : warehouse 9 /shed 9, Technology park P.O. Box 54806 RAK FZE , UAE



Email Us At:

sales@acculabusa.com middleeast@acculabusa.com

