

## Cryostat Microtome

Model: MTC-6150

CE



### FEATURES:

- Maximum 20 pieces specimen to satisfy requirement of more specimen.
- Power switch equips with short circuit and overload protection.
- Large stainless steel freezing chamber and scrap collector are easy for user doing operation and clean.
- Compressor made by Deafness is to provide fast freezing and good result.
- Pro-environment refrigerant R404A
- The chamber temperature can drop to working condition within 120 minutes after switching the unit on.
- LED screen can display data such as sample travel, thickness, function control, day, time, temperature and time on/off.
- 2 pieces of politer stations for fast freezing.
- Vacuum cleaner to clean scrap.
- X-, Y-, Z-Axes orientation system.
- Fluorescent lighting
- UVC sterilize function.
- Standby mode: after starting, the temperature in cryostat chamber can be controlled between -4C and -9C automatically; system arrives to working temperature within 15 minutes after stop to do stand by.
- Total pieces and total section thickness display.
- The specimen retraction function, protects the specimen from blade damage, that can be on/off.
- Unit contains heated, removable sliding window.
- Unit contains two defrost methods: definite time and manual
- Control panel with locking function to avoid improper operation.
- Hand wheel locking.
- Sensor self-diagnosis function.

## SPECIFICATIONS:

Section thickness:	1 - 90 $\mu\text{m}$	adjustable
	1 - 20 $\mu\text{m}$	1 $\mu\text{m}$ increments
	20 - 40 $\mu\text{m}$	2 $\mu\text{m}$ increments
	40 - 90 $\mu\text{m}$	5 $\mu\text{m}$ increments
Trimming thickness:	10 - 400 $\mu\text{m}$	adjustable
	10 to 50 $\mu\text{m}$	5 $\mu\text{m}$ increments
	50 to 100 $\mu\text{m}$	10 $\mu\text{m}$ increments
	100 to 400 $\mu\text{m}$	50 $\mu\text{m}$ increments
Retraction:	20 $\mu\text{m}$	(ON or OFF)
Horizontal stroke :	25mm	
Vertical stroke:	59mm	
Maximum specimen size:	$\Phi$ 55mm	
Specimen orientation:	12° (X-, Y-, Z-Achse)	
Voltage :	220V $\pm$ 10%	
Frequency:	50 / 60Hz	
Power:	650W	
Chamber temperature:	-10°C ~ -35°C	
freezing shelf temperature:	-45°C	
Politer temperature:	-60°C	
Number of freezing station:	18	
Politer number:	2	
Refrigerant	R404A 300g $\pm$ 10g	

