



CRYOSTAT MICROTOME

COOLCUT TR680



The CoolCut TR680 is a powerful cryostat for routine as well as research applications in biology, medicine and industry. The instrument has been designed for rapid freezing and sectioning of tissue samples.



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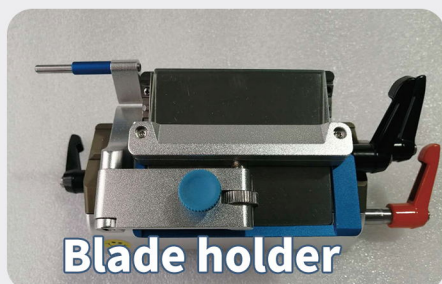
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- Double compressor(Danfoss) with R404A refrigerant for Chamber, Freezing shelf, Blade holder, specimen clamp holder.
- Noise only in 47DB(A) ultra silent
- Retraction function prevents specimen from blade damage.
- The low temperature refrigeration system with environment friendly refrigerant R404.
- Adopt UV sterilize for 35 minutes every time.
- 36 freezing station total with 8 quick freezing station.
- Two defrosting methods: automatic and manual.
- Flexible Specimen head: 360° in X-Axis and 12° in Y Axis
- LCD screen can display all information including thickness, thickness sum, controlling time, temperature, timed on/off and so on.
- Sleep Function be good for compressor long life. The temperature can be kept between -1°C and -9°C in cryostat chamber under the sleep mode and only 15 minutes the temp. resume to working temp. after stopping sleep.
- Blade holder guard safety.
- Handwheel parking in any required position.
- Dust suction device to keep the chamber clean.

PRODUCT DISPLAY



Blade holder



Specimen Clamp holder



Handwheel Lock



waste container



36 sample freezing load shelf



Parameter	T R 6 8 0	Feature	T R 6 8 0
Section Thickness Range	0.5μm~100μm	Noise	47DB(A) ultra silent
	0.5μm~5μm increment 0.5μm	Maximum specimen size	55*80mm
	5μm~20μm increment 1μm	Time to reach -60°C	15 min
	20μm~40μm increment 2μm	Coarse feeding speed	0.9μm/s (rapid)
	40μm~100μm increment 5μm		0.45μm/s(slow)
Trimming Thickness Range	10μm~600μm	Specimen Orientation	X-Axis 360°Y Axis 12°
	10μm~50μm increment 5μm	Compressor	Double compressor(Danfoss) with R404A refrigerant for Chamber, Freezing shelf, Blade holder, specimen clamp holder
	50μm~100μm increment 10μm		
Specimen Retraction	1-100 adjustable, increment 5μm	Sterilize	UV
Horizontal Stroke	22mm	Power	600W
Vertical Stroke	65mm	Voltage and Frequency	220V ± 10% , 50 HZ
Cryochamber minimum temperature	-10°C` -50°C		110V ± 10% , 60 HZ
Specimen clamp holder minimum temperature	-50°C	Weight	210kg(Net) / 225kg(Gross)
Freeze shelf minimum temperature	-60°C		
Lowest temp.of Peltier unit on freeze shelf	-60°C	Dimensions(W×D×H)	700*760*1160mm
Number of Quick Freeze Station (Peltier)	8		
Number of Freezing station	36		