

CM - 3250

Cryostat Microtome



EPCC / PRODUCTS / APPLICATION / SOFTWARE / ACCESSORIES / CONSUMABLES / SERVICES

Analytical Technologies Limited

An ISO 9001 Certified Company

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►► Innovative design we care for you

1. Disinfection

The UV lamp allows the instrument to disinfect itself.(sheduled or manual).

2. Clear sight

The glass door is heated and prevent frost to build up.

3. Sorting specimens

Specimens can be sorted in numerical order.

4. Defrost timer

A defrost time could be set to work at night only for 15 minutes.

5. Innovative Drying button

The Instrument has a rapid drying system which saves the time of natrually drying the condensate water in the chamber.

6. Unique concept

The one-time injected, continuous mold of the cryostat makes it easy to maintain and clean.

►► Technical Parameter

Section thickness	1 μm ~ 100 μm
Trimming thickness	1 μm ~ 600 μm
Retraction	0 μm ~ 200 μm
Increment speed	300 $\mu\text{m/s}$ ($\pm 10\%$) , 900 $\mu\text{m/s}$ ($\pm 10\%$)
Chamber temp	-35°C ~+ 40°C
Freezing plate temp	Minimum temperature -40°C ($\pm 5^\circ\text{C}$)
Number of freezing plates	18pcs
Rapid cooling Peltier Stations	2pcs, MInimum temprature -60°C ($\pm 5^\circ\text{C}$)
Size (with handwheel)	780mm*700mm*1280mm
Weight with packaging	208 \pm 10kg
Power consumption	1200 VA
Supply voltage/ frequency	220-240 VAC, 50 HZ/110 - 127VAC, 60 HZ



UV disinfection



Working UI



COfiguration UI

►► **Reliable section quality precise mechanical movement**

1. Uniform section quality

Driven by a precise motor, the instrument can function accurately thus produce uniform section.

2. Heavy duty operation

Durable motion guide rail makes it easy to deal with multi task.

3. Applicable for all kinds of tissues

Universal adjustable specimen discs, work for finding perfect section angle for small tissues like kidney tissue.

4. Anti - sticking hammer

The cooling hammer is coated with an anti-sticking layer which prevent the specimen from sticking.



Hand wheel with lock



Specimen clamp



Slide placement area

►► **High efficiency**

1. Visualized operation

Large color touch screen, makes visual stroke scale and operation visualized and easier.

2. High-capacity

With large freezing plate, 20 specimens can be frozen per operate.

3. Qualified section technique

The high-quality blade holder, adapts to both high and low profile, with unique anti-seize coating and arc designation, reduces trembling during sectioning thus benefits the continuously sectioning.

4. Innovative Anti-roll

Anti-roll plate designed plate designed with lamp which can hold at any position could function flexibly.

5. Sleep mode

The system supports presetting working time, switch from sleep mode to working mode automatically on time.



Color touch screen



Number freezing plates



Anti - roll plate

►► **Smart temperature control system provides an ideal temperature for your specimens**

1. Powerful compressor

Continuous sectioning is made possible due to the quality compressor, which keeps the chamber and plate under stable conditions.

2. Patented smart temperature algorithm

Chamber temperature is kept cool in assurance of many accurate temperature sensors and 2 peltier elements.

3. Anti - sticking

The patented technology design of freezing plate ensures no frost are formed during freezing and no specimen is stick to the plate at the same time.

4. Rapid cooling peltier stations

With the rapid cooling peltier stations, the temperature can rapidly reach and stabilize around -55°C to - 65°C.



Anti-frost glass door



Blade holder



Rapid cooling peltier stations

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HPLC Servicing :HPLC Servicing : We have team of service engineers who can attend to any make of HPLC promptly @the most affordable cost.

Trainings :We also take up preventive Maintenance to reduce downtime of HPLC's Trainings.

AMC's/CMC :AMC's/CMC :We offer user training both in-House and at customer sites on HPLC principles, operations, trouble-shooting.

Validations :Validations :We have protocols for carrying out periodic Validations as per GLP/GMP/USFDA norms.

Instruments :Instruments :We offer instruments/Renting Services Modules like pumps,detector etc. on Rent.



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3007



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Spectrophotometer



Liquid Particle
Counter



Optical Emission
Spectrophotometer



DSC/TGA



Semi Auto Bio
Chemistry Analyzer



HEMA 2062
Hematology
Analyzer



Micro Plate
Reader/Washer



URINOVA 2800
Urine Analyzer



Total Organic
Carbon 3800



Fully Automated
CLIA



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PCR/Gradient PCR/
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TOC
Analyzer



Laser Particle
Size Analyzer



Ion Chromatograph



Water purification
system

Regulatory compliances



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Analytical Foundation

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2. Improving quality of life by offering YOGA Training courses, Work shops/Seminars etc.

3. ANALYTICAL FOUNDATION aims to DETOXYFY human minds,souls and body by means of yoga, Meditation, Ayurveda, Health Care, Awards, Media, Events, Camps etc.



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