

RMC EM Products

A range of well designed and beautifully engineered instruments for specimen preparation and embedding and sectioning of specimens for electron microscopy at ambient and cryo temperatures.



PT-PC PowerTome Ultramicrotome

A PC controlled ultramicrotome supplied complete with all-in-one slim design computer, with integrated "Touch Screen" control monitor, wireless mouse & keyboard, interconnect cables & accessories. All control functions are activated by touching the control monitor screen, or by mouse, or by using the digital controller. Color monitor displays bright, user friendly, control icons logically & clearly located around central video image display panel.

Please contact us for full specification.

M404 PT-PC PowerTome Ultramicrotome 230v 50Hz or 115v 60Hz

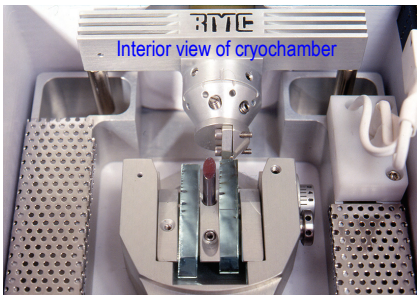


CR-X attached to MT-XL

CR-X Cryosectioning System

An adaptable, user friendly cryosectioning system for RMC or Reichert/Leica ultramicrotomes. Quick fitting and removal, very low liquid N₂ consumption from 9 litre table top Dewar (< 0.75l/hour) yet giving quick response to temperature adjustments. Easy access into insulated cryo chamber with sectioning possible from +35° to -185°C (display resolution 0.1°C). External knife controls, dual rotating knife holder with trimming tool and complete accessory kit to start immediate cryosectioning. Separate power supply and control unit with microprocessor giving 4 user-adjustable programmes for knife and specimen temperatures. 10 each specimen mounting pins 2mm, 3mm, 6.5mm and flat specimen holder (clamping).

M405 CR-X cryosectioning system 230v 50Hz or 115v 60Hz



Interior view of cryochamber

Cryo Specimen Pin for Ultramicrotomes

Our cryo specimen pin has a diameter of 2mm and is compatible with the Leica and RMC cryo ultramicrotomes. Made from cryo compatible aluminium; 10mm long and reversed tapered head with a diameter of 3.5mm. Concentric rings on sample surface for better adhesion.

C410 Cryo specimen pin 2mm Ø x 10mm long for Leica or RMC pack of 10

C410/1 Cryo specimen pin 2mm Ø x 10mm long for Leica or RMC pack of 50



C410

FS-8500 Freeze Substitution System

Computer controlled for repeatable, reliable results

- Unlimited capability for storing protocols and reports
- Additional temperature sensor provided to measure sample temperature in a reagent vial during Freeze Substitution run
- Low-loss LN₂ Dewar can be refilled during a substitution run
- Internal illumination of substitution work chamber automatically activated when chamber cover removed
- Specimen agitation
- Cryo transfer tool provided to safely & conveniently remove cold sample holders

F317 FS-8500 freeze substitution system 115v 60Hz or 230v 50Hz



Glass Knife Maker (RMC)

- Solid, Heavy Design
- Easily Produces Consistent, Controlled Breaks
- Digital Readout Displays Load Applied to Glass as Breaking Arm is Moved
- Produces Knives Up to 12mm Wide
- "Balanced Break" Method for the Sharpest Knives
- Micrometer Positioners
- Built-in Mechanical Stops for Easy Positioning
- Precision Mechanism Supports "Slow-Break" Technique



Comes complete with: Protective goggles, brush, Instruction manual, Replacement scoring wheel and axle

K110 Glass knife maker RMC

EMP-5160 Automatic Tissue Processor

If you are embedding TEM samples three or more times per week you need the EMP 5160. It uses a proven robotics system to move baskets of tissue from one vial to another. It can be programmed from the hand-held key pad to agitate the sample and maintain the temperature you desire. Microprocessor based with 50 built-in protocols and closed vials with vented hood so unit can be used in an open laboratory without exposing the operator to noxious fumes. Uses minimal reagents (2-18mls per sample).



P557 EMP-5160 Automatic Tissue Processor

Supplied with the following: 1 set specimen handling tools, load & unload for specimen stack rings 1 specimen load/unload plate for specimen baskets, 50 reagent vials with caps, 50 stack rings with mesh screens, 5 processing chambers, 1 basket holder assembly, 25 large, 3 compartment specimen baskets, 25 small, 4 compartment specimen baskets, 50 each EM grid baskets, 100 basket lids, 5 syringes, 30cc capacity, 3 meter exhaust hose, 1 programming keypad, 1 programmable data key, Instruction manual, Fuse kit, Cables

QG-3100 Automated TEM Stainer

Automated programmable stainer for use with heavy metal salts such as lead citrate & uranyl acetate. Holds up to 40 EM grids per run with staining time typically 60-90 min and wash cycle time 5 min + 5 min

Features:

- Closed flow system provides clean conditions and exclusion of air
- Staining procedures are reliable and reproducible
- Exposure to staining solutions is minimized
- Extremely low operation costs
- Individual staining procedures may be easily configured
- Simple maintenance due to freely accessible tubing and valves
- Patented rotatable staining chamber

S620 QG 3100 Automated TEM Stainer

Supplied complete with the following:

Main staining unit complete with peristaltic pump control valves, large illuminated touch screen controller/monitor, quick release processing chamber with grid loading plate, Grid loading/unloading tools, Cleaning holder, Filling syringe with weighted dispenser, Waste storage bottles with rack, Interconnect tubing, Drip tray, Power cord, Instruction manual

