

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

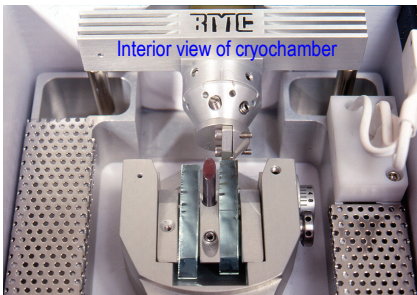


CR-X attached to MT-XL

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



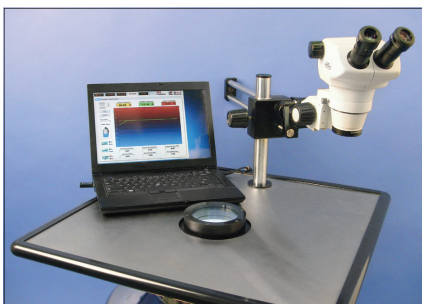
C410

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





Kapton film reel for ATUMtome

Reel of Kapton tape **without adhesive** for ATUMtome section collecting device. Specification for collecting multiple sections for high resolution array tomography of biological tissues.

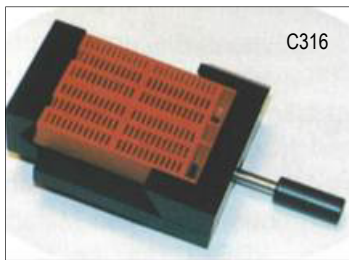
F343 Reel of Kapton tape for ATUMtome 8mm x 30m each



Mega-Cassettes Double Depth with Hinged Lid

Double the depth of conventional cassettes (dimensions: 40 x 27 x 12mm), Mega Cassettes allow for easier embedding and processing of larger specimens. Complete with a plastic hinged lid these rigid, durable cassettes have excellent writing surfaces and are available in seven colours in quantities of 1000. A quick release chuck and double depth Base Moulds are available for use with these cassettes.

C315/W Mega-Cassettes *white* pack of 1000
C315/O Mega-Cassettes *orange* pack of 1000
C315/B Mega-Cassettes *blue* pack of 1000
C315/Y Mega-Cassettes *yellow* pack of 1000
C315/G Mega-Cassettes *green* pack of 1000
C315/R Mega-Cassettes *red* pack of 1000



M422 Mega-Cassette S/S double depth base mould 32 x 23 x 14mm pack of 10
C316 Mega-Cassette quick release chuck (please state microtome)