

## PowerTome PC Ultramicrotome

- Touch-screen control unit for maximum flexibility and ease of use
- Wide variety of available accessories
- Four sectioning channels
- Built-in Database system

Depending on funding and application one can build the system to match the requirements now and still grow to become the most sophisticated Ultramicrotome for any research application.



## PowerTome X, XL

- Precision tolerance virtually eliminates section chatter and susceptibility to external vibration
- Patented Power Drive® technology cuts through even hard, non-homogenous specimens
- Self Lubricating Pivot Joints - A lifetime of maintenance free sectioning.
- Lifetime Drive Belt Warranty - Free replacement for as long as you own the machine.
- Non-Slip Timing Belt Drive - Ultra-precise control of the cutting stroke.
- Frictionless Bearings - For longer life and maintenance free sectioning.
- 3 Year Limited Warranty On The Cutting Arm - The longest in the industry.
- All Stainless Steel Construction - Provides less deflection and greater stability of the Cutting Arm.



## CR-X Cryosectioning System

- Efficient cryogenic design with the lowest LN<sub>2</sub> consumption
- The CR-X can be installed or removed from the Ultramicrotome without the use of tools
- Free standing, non-contract LN<sub>2</sub> transfer line minimises influence of outside mechanical vibration
- Compact table top dewar provides liquid nitrogen for entire working day without refilling

For ultra-thin and semi-thin cryosectioning of biological specimens, plastics, polymers, paper and wood products, magnetic and photographic films and any other materials requiring low temperature thin sectioning over the range from +35°C to -185°C.



## GKM Glass Knife Maker

- Solid, Heavy Design
- Produces Knives Up to 12mm Width
- "Balanced Break" Method for the Sharpest Knives
- Micrometer Positioners
- Built-in Mechanical Stops for Easy Positioning
- Precision Mechanism Supports "Slow-Break" Technique



The Glass Knife Maker includes micrometers for precision control and repeatable scoring. It uses the "balanced break" method for optimum knife edges.

## FEATURES

- ◆ Proven Quality
- ◆ Reliability
- ◆ Support
- ◆ Training
- ◆ The RMC line of ultramicrotomes has the longest pedigree in the industry.
- ◆ Boeckeler has over 60 years of product innovation.

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Boeckeler Instruments, Inc.

# RMC Sample Prep Product Line

## HPM 010 High Pressure Freezing Machine

- Over 100 Installations World-Wide
- More Than 400 Scientific Publications
- Well Frozen Specimens up to 200µm Thickness and 2mm Diameter, without the Use of Cryoprotectants
- The HPM 010 provides excellent results with tissue samples and, of course, suspensions.
- Array of specimen carriers available, i.e. for suspensions (capillary tubes), tissue extracted by fine needle biopsy and carriers for monolayer cell cultures.



## MT-990 Universal, Heavy Duty, Motorized Microtome

- Motorized programmable automatic trim
- Cuts paraffin, plastic and hard specimens
- Motorized cutting stroke may also be used manually
- Motorized knife stage, 28 mm maximum travel
- Feed totalizer, selectable for either total feed in micrometers or total number of sections
- Separate controller for hands-off operation



## Rotary Microtomes

### MR2 - Manual

### MR3 - Motorized / Manual

- Vertical cutting stroke with solid cross roller bearing specimen carriage
- Digital Section Counter Display
- Section Thickness range 0.5 – 60 microns
- Electronic Feed with Fast Return
- Separate Trim Control Function with Footswitch
- Wide range of accessories for Histology, Materials and Forensic Applications
- Includes High/Low Profile Disposable Steel Blade Holder and Specimen Holder (choice of Cassette Clamp or Fixed Jaw Vise Clamp)
- Removable Waste Tray



## EMP-5160 Automatic Tissue Processor

- Unique program key system
- Complete system of specimen baskets
- Highest specimen capacity available
- 50 program memory

Automates routine EM-sample fixation and embedding freeing up valuable laboratory time.



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