

## PowerTome PC Specifications

- Autothin sectioning to 5 nm
- Autothick sectioning to 10 microns
- Digital section counter
- Feed totalizer
- 15mm cutting stroke
- Cutting speed range 0.1-49.9 mm/sec
- Variable return speed selection over entire cutting speed range
- Automatic feed 200 microns
- Manual feed 50mm
- 4 Memory channels
- Built-in self diagnostic programs
- Compact two piece design with separate control unit
- Built-in hand rests
- Advanced technology multi-level vibration isolation system
- High stability mechanical drive systems for both specimen advance and cutting
- High precision micrometer knife stage
- Fully adjustable "scan and tilt" stereomicroscope
- Variable position lighting with LED backlighting and specimen transillumination
- Specimen viewing mirror
- Water trough filler with pump & reservoir

### Supplied complete with:

- Arc segment mount
- Stereo microscope
- Self locking "Positrack" knife stage
- Two universal specimen holders (transilluminating)
- Backlight cable
- Transillumination cable
- Glass knife support (polished)
- Wooden accessory box
- Trimming block and post
- Two specimen holder adapters and wrenches
- Breathshield
- Control unit
- Power cord
- Interconnect cables
- Dust cover
- Spare lamps and fuses

### Control Unit

- 15-inch Touch Screen LCD Monitor
- "Small Footprint" PC with minimum:
  - 2.5 GHz processor
  - 512MB RAM
  - AGP 8X video
  - DVD-ROM/CD-RW optical drive
  - 40GB hard drive
  - Keyboard & mouse
  - Windows 2000 or XP operating system
- Optional Video Package with Photostereozoom, camera, C-mount, Frame-grabber

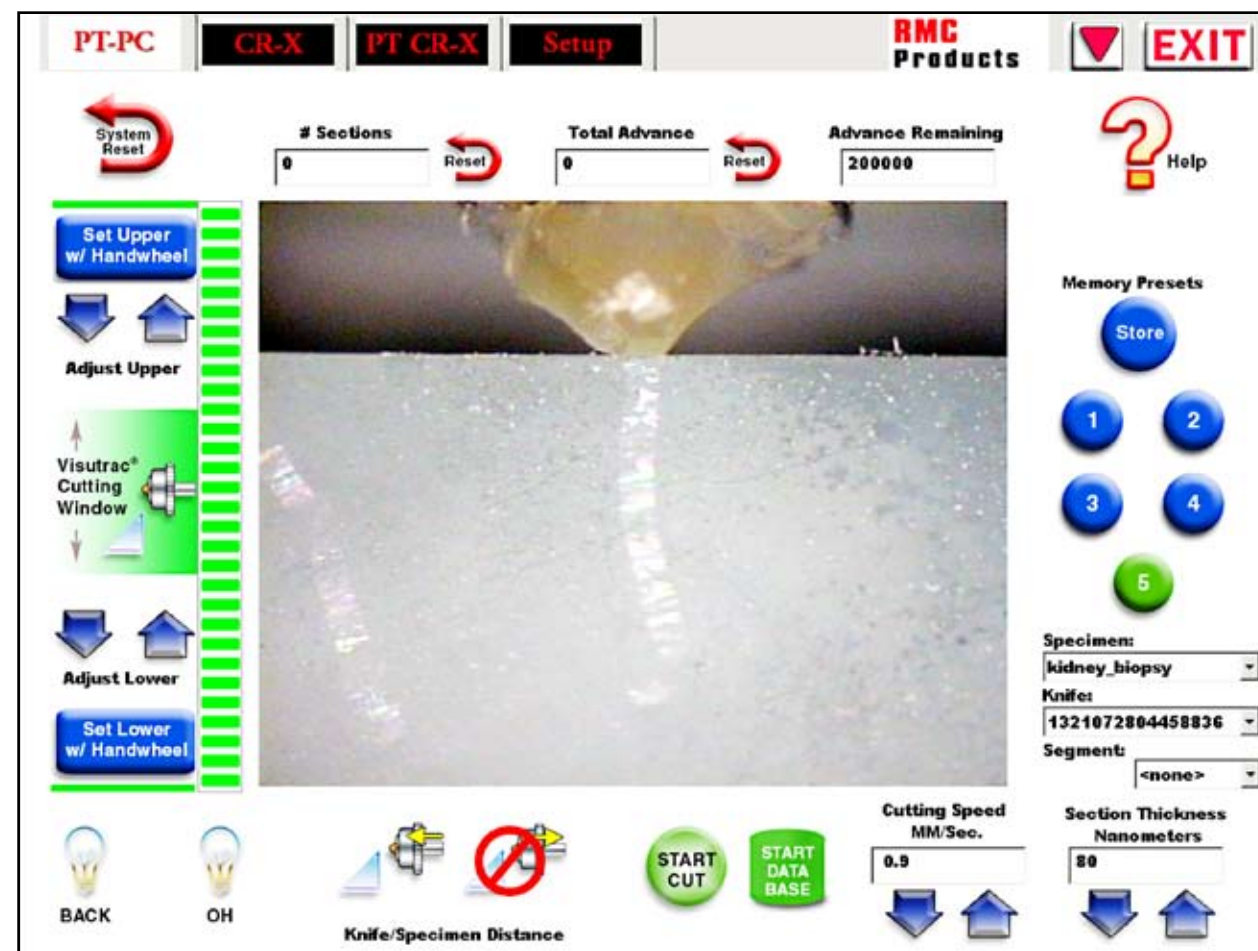
**Electrical:**  
Input 100 - 240 Vac 50/60 HZ

**Dimensions: W x H x D mm**  
PC 191 177 305  
Microtome 394 559 648

**Shipping**  
Main Unit 559 635 839 72 kgs  
Accessories 458 458 458 16 kgs

**RMC**  
**Products**  
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# POWER TOME PC



## Innovations in Ultramicrotomy

*Precise • Powerful • Easy to Use*

**RMC**  
**Products**  
by Boeckeler

[www.rmcprouducts.com](http://www.rmcprouducts.com)

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### Ultramicrotomy Meets *High-Tech* in this Computer-based Control, Data Base and Video Monitor System

The drudgery of capturing sectioning statistics is now automated! The data base records information with every stroke, an impossible task without computer assistance. This innovation will streamline installations where frequent reporting is required. You can even track the use of your diamond knives.

Data is recorded by session.

Fields Include:  
 Section Number  
 Section Thickness  
 Cumulative Advance  
 Cutting Speed  
 Knife Temperature (Cryo)  
 Specimen Temperature (Cryo)  
 User Name  
 Knife Used  
 Knife Use Statistics  
 Date & Time

**Reports Available  
 On-Screen, Printed,  
 or in Text File Format**

#### Sample Report:

Report for Session 423  
 Session: 423  
 Institution: B4 Labs  
 Date: 07/26/2004  
 Time: 1432  
 Material Name: RubberBlend642  
 Comment:

Sec Nbr	Sec Thick (nm)	Cum Adv (nm)	Cut Spd (mm/sec)	Temp(Kn) (degC)	Temp(Sp) (degC)	User Name	Knife S/N	Date : Time MM/DD/YY : HH:MM:SS
1	70	70	1.0	0.0	0.0	ArtS	122207260400335A/	07/26/04 : 14:32:40
2	70	140	1.0	0.0	0.0	ArtS	122207260400335A/	07/26/04 : 14:32:47
3	70	210	1.0	0.0	0.0	ArtS	122207260400335A/	07/26/04 : 14:32:51
4	70	280	1.0	0.0	0.0	ArtS	122207260400335A/	07/26/04 : 14:32:55
5	70	350	1.0	0.0	0.0	ArtS	122207260400335A/	07/26/04 : 14:32:59
6	70	420	1.0	0.0	0.0	ArtS	122207260400335A/	07/26/04 : 14:46:55

Large, Simple, Intuitive Controls

15" LCD Touch Screen Monitor



Video Monitoring System (Optional)

Cutting Zone set by Unique "Visutrac" control, which can be adjusted at any time, even while sectioning. Cutting zone can also be set by positioning specimen & activating upper & lower cutting zone icons.

- **Large, Simple, Graphic Interface** - All commands are visible and controllable using the supplied 15" LCD touch screen monitor.
- **Easy to Read** - There's never a question as to what's being displayed, even at a distance.
- **Report Generator** - Easily capture data and view/print reports based on the materials you're sectioning.
- **On-screen Help** - With WorldWide Web-like simplicity.
- **Video Monitoring** - This option uses the center of your touch screen monitor to display the sectioning process in real time. It can greatly reduce the back and neck strain associated with hovering over the microscope. It's even large enough to allow the operator to monitor sectioning from a distance.



Knife Setup and Statistics Window

**Current Knife:**

Composite Serial Number:

Total Knife Slices:

Manufacturer:

Size:

Type:

Angle:

Date Recorded:

Serial Number:

Comment:

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**Current Knife Segment:**

Knife Segment:

Total Segment Slices: