

## PC Upgrade Package for Scanning Auger Systems



### Description

RBD Instruments' ScanMap 2 PC Upgrade Package provides Windows® 95, 98, or NT hardware control of the PHI® 660 Scanning Auger system. This innovative upgrade will work on most personal computers, and requires only one PCI slot. Utilizing the 147 System Interface unit, the ScanMap2 eliminates some of the obsolete hardware on the 660 system and adds RBD software to help collect and manipulate data in the Windows environment. This results in a more reliable, serviceable and easier-to-use instrument.

The existing Apollo™ or Perkin-Elmer® computer is removed from the system and replaced with a Windows PC. The PC can be supplied by either RBD Instruments or by the customer.

Just one PCI slot in the PC is used by the RBD PCI interface card, which connects to the RBD model 147 System Interface Unit. The RBD 147 then makes all necessary system connections.

**PHI® Systems Supported include:**  
PHI 660 Scanning Auger Systems

\*PHI is a registered trademark of Physical Electronics

### Advantages

- ◆ Runs on Windows 95, 98, or NT
- ◆ Obsolete units, including the 72-490, 72-488, 74-062, and Barco monitor, are removed from the system
- ◆ TV images are displayed directly on the PC monitor
- ◆ System reliability is greatly improved
- ◆ Versatile RBD software is powerful, straight forward, and user-friendly
- ◆ Easy to incorporate data into reports and publications
- ◆ Dramatically improved output –virtually any printer is supported
- ◆ Data can be sent over the Web
- ◆ An exceptional value – a fraction of what other upgrades cost

# ScanMap2 - PC Upgrade Package for Scanning Auger Systems

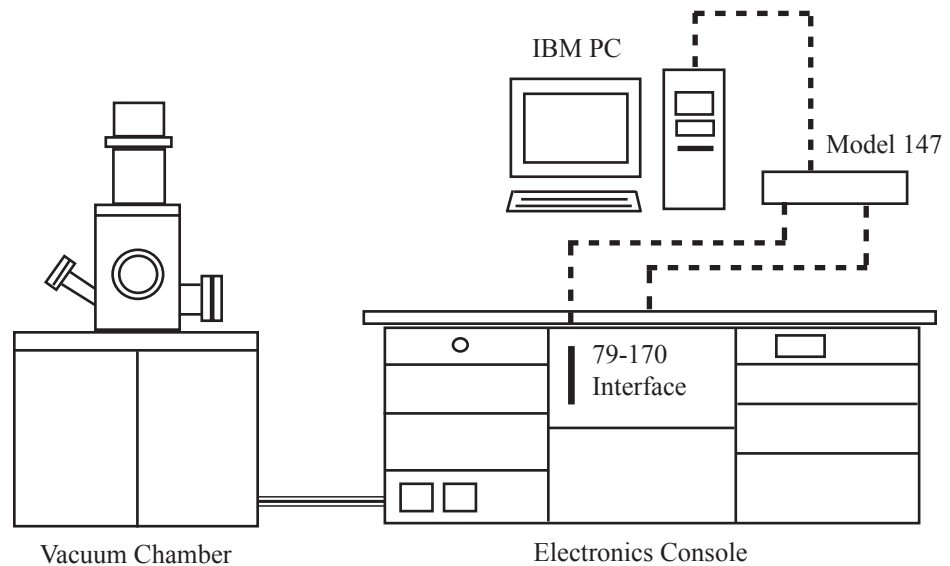
## Specifications

|                                    |  |
|------------------------------------|--|
| PC Requirement .....               | Minimum requirement is to run Windows 95 |
| <u>147 Specifications</u>          |  |
| Interface type .....               | PCI 2.1 Compliant                        |
| Input Power requirements .....     | 90-264VAC, 47-66Hz single phase          |
| Power Supply .....                 | +/- 12 Volts DC, +5 Volts DC             |
| DR11 Output Ports .....            | 3  |
| DR11 Input Ports .....             | 1  |
| Digital to Analog Converters ..... | 2 (16 bit)                               |
| TTL Outputs.....                   | 8  |
| TTL Inputs .....                   | 8  |
| TTL Counter/Timer Inputs.....      | 12                                       |
| ECL Counter/Timer Inputs.....      | 4  |
| Operating Temperature Range .....  | 0° to 50° C                              |
| Humidity.....                      | 20 to 70% non-condensing                 |

## ScanMap2 Upgrade Includes

- ◆ RBD 147 System Interface Unit with 660 option
  - ◆ RBD 147-660 Cable Kit
  - ◆ 79-170 Scanning Interface Card
  - ◆ RBD AugerScan Software
  - ◆ RBD AugerMap Software
- ◆ RBD 147 Software Driver
  - ◆ ScanMap2 Installation Manual

## RBD ScanMap2 System Diagram



2437 NE Twin Knolls Drive, Suite 2 | Bend, OR | 97701  
 Phone: 541.330.0723 | Fax: 541.330.0991  
 E-Mail: [info@rbdinstruments.com](mailto:info@rbdinstruments.com)  
 Web Site: <http://www.rbdinstruments.com>