

Model 8060/8860 Probing Stations

The model 8860 is the only second generation 8 inch semi-automatic analytical probing station. Our first generation 8 inch probes met the demands of smaller geometries and the larger 8 inch wafers. Now, geometries are even smaller, and laboratory space is at a premium. These challenges, along with the invaluable feedback of probe station users around the world, resulted in the development of the 8060/8860 series probe stations. The probes, in both 8 inch and 6 inch form, offer the most stable, intuitive, and space efficient six or eight inch systems available today. Configure your own system with the wide choice of configuration options ranging from fully manual (8060) systems to motorized stage and/or microscopes to full programmability via your host through fastlink or Micromanipulator's revolutionary new Windows based pcProbe graphical control environment. Windows applications supporting the Windows Dynamic Data Exchange (DDE) interface can be directly linked to pcProbe for maximum utilization of laboratory resources. pcProbe also provides an integrated joystick for precise, effortless 3 axis positioning control.



Our Features:

- Rock solid four point platen support/lift mechanically isolated for stability.
- Optional probe card holder accommodates 4.5 inch rectangular and 8.75 inch circular probe cards. (Other configurations on request).
- Integral fixture ring accommodates tester load boards and custom probe cards.
- Choice of Leica Microzoom II or Mitutoyo FS-60 microscopes.
- Emergency Off provision (EMO) for convenient user safety.
- Compact design increases stability while reducing bench space required. Compatible with most light tight enclosures.
- Manual, motorized or programmable X-Y-Z Microscope Drive available.
- Integrated facility for hot stage additions which include internal cable/hose handling and convenient termination at the rear of the probe station.

Your Benefits:

pcProbe, running under Microsoft's Windows graphical environment, is ergonomically designed for fast, intuitive, and efficient control of the 8860 stage, microscope, and micropositioners.

All systems provide manual or joystick selectable control of stage, platen, microscope and programmable manipulators for quick measurements.

Gold plated or lapped stainless steel vacuum chuck with 6" or 8" planarized stage travel available.

Platen fast lift lever with adjustable microscope lift delay raises the platen up to 1.25 inches, and the microscope up to 5 inches above the chuck for easy sample changes and adjustments.

Heavy ground stainless steel platen with removable front section for expanded versatility, and easy specimen loading. Accommodates all vacuum and magnetic based manipulators.

The 8060/8860 Series of Micromanipulator Probers Can be Configured Many Ways.

Choose From:

Stage/Chuck Size • 6" or 8" - Ambient Gold-Plated, Stainless Steel, Hot Chuck with Full Plumbing Integration

Control Modes
(may be combined)

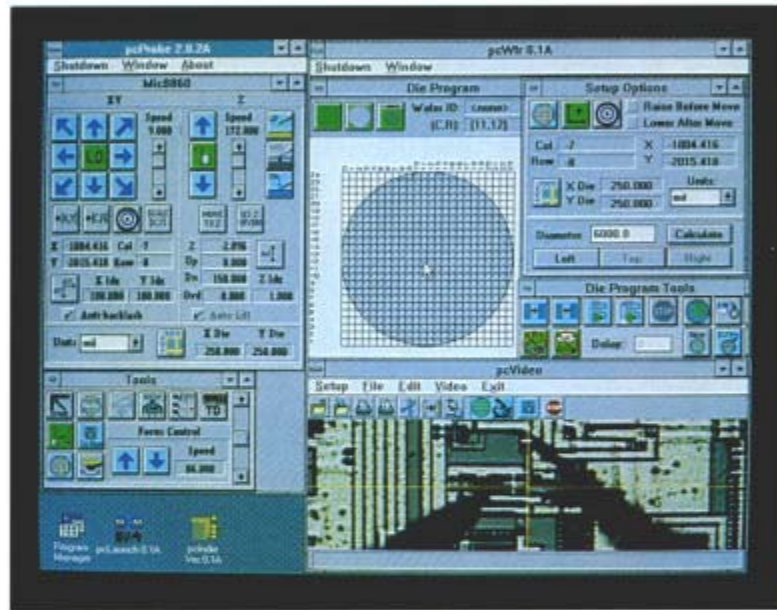
- Manual
- Motorized
- Programmable - by External Host, pcProbe Software or CAD Data Base

Accessories

- Programmable Manipulators
- Touchdown Sensing
- Remote/Auto Focus Microscopes

Choose The Configuration That Is Right For You!

Realize the power of your probing system with the pcProbe™ Navigation Control System.



pcProbe™ Features:

- System Expandability
- Windows Based
- Intuitive Graphics Format
- Wafer-map with "Point and Shoot"
- Multiple Device Control
- On-screen Video with Device Pan

Your Benefits:

Your probing system can grow over time in a cost-effective and consistent manner.

Provides easy interface capability to parametric test programs. Highly compatible with test software, export/exchange data via DDE modules.

Minimize learning curve and manual use by occasional users.

Select locations quickly with visual feedback.

Expand your system to meet future needs without learning new control systems or obsoleting hardware. Control Stage, Microscope, and Positioners from the same system.

Navigate from actual device image. Measure features from video image. Adjust scale for accurate control navigation, and control image attributes, all without the need for a separate space-taking monitor.