

# PS4L Semiautomatic Systems

- ◆ 50 mm to >450 mm Versions
- ◆ Patented Adaptive Architecture hardware and software architecture
  - ◆ All components are interchangeable and completely field upgradeable
  - ◆ The most modular & flexible system on the market

## CONTROL ELECTRONICS

- ◆ PILOT Control Software graphical user interface (GUI) for Wafer Map, Auto Alignment and Test Control Application
- ◆ Manipulator motion controllers
- ◆ Stage motion controller

## PROBE SYSTEM CONTROL CONSOLE

- ◆ I/O Control Electronics
- ◆ Microscope Control Electronics
- ◆ Stage Motion Control Electronics
- ◆ PILOT Control Software

## ACCESSORY OPTIONS

- ◆ Manipulators—Manual & Programmable
- ◆ Probe Arms—coax, triax, HF & Kelvin
- ◆ Probe Tips
- ◆ Probe Card Holders
- ◆ Localized Environmental Chamber (LEC)
- ◆ Laser Cutter
- ◆ Air Compressors
- ◆ Vacuum Pumps

## OPTICS & CAMERA SYSTEM

- ◆ CCTV System & Monitor
  - ◆ Color Camera with Adaptor
- ◆ Compound Microscope with tilting eye pieces
  - ◆ High Magnification (20x - >4000x)
- ◆ Microscope Mounts
  - ◆ Boom, Post or Bridge
- ◆ Microscope Movement:
  - ◆ Programmable, Manual or Gantry
  - ◆ 50 mm X,Y,Z travel.
- ◆ Microscope Z Lifts
  - ◆ Manual, Pneumatic or Programmable

## PROBE SYSTEM

- ◆ Test equipment integration
- ◆ Large platen surface with removable front panel accommodates individual manipulators and probe cards
  - ◆ 40mm linear lift
  - ◆ 200µm contact/separation
  - ◆ EMO Switch System
- ◆ Round, Square or Lift-Pin Wafer Chucks
  - ◆ 50 mm to >450 mm
  - ◆ Vacuum Rings or Vacuum Holes
  - ◆ Coaxial, Triaxial, HF or Double-Sided
  - ◆ Non-Thermal & Thermal
- ◆ Programmable high-speed precision wafer stage
  - ◆ Joystick-controlled

## VIBRATION ISOLATION SYSTEM

- ◆ Vibration Isolation Table
- ◆ Casters & Leveling

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