

# PS4L Fully Automatic 300 mm System with Front Opening Unified Pod (FOUP)

- ◆ 200 mm, 300 mm & 450 mm Versions
- ◆ Modular adaptive hardware and software architecture
- ◆ Comprehensive portfolio of optional accessories and upgrades

## MATERIAL HANDLING UNIT (MHU)

- ◆ Status Light
- ◆ MHU handles (Front Opening Unified Pod) FOUPS or Cassettes
  - ◆ Configured with 2 FOUPS
  - ◆ Single or multiple FOUPS available
- ◆ Robotic Arm
- ◆ MHU End Effector
  - ◆ Configured for frames, trays of chips & substrates
  - ◆ Dual End Effector Available
- ◆ Pre-aligner
- ◆ Control Electronics
- ◆ MHU Viewing Window
- ◆ Metal Safety Enclosure
  - ◆ Dual doors for access
  - ◆ Safety Interlock prevents door opening during operation

## DARK BOX WITH ROLL DOOR

- ◆ 300 mm Dark Box with Roll Top Door

## PROBE SYSTEM CONTROL CONSOLE

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

## LAMINAR FLOW HOOD

- ◆ Laminar Flow Hood

## PROBE STATION

- ◆ Compound Microscope
  - ◆ Tilting eye pieces
  - ◆ CCTV Color Camera
  - ◆ Microscope Movement
    - ◆ Programmable or Manual
    - ◆ 50 mm X, Y, Z travel
    - ◆ Pneumatic Z Lift
- ◆ PILOT Control Software graphical user interface (GUI) for Wafer Map, MHU, Auto Alignment and Test Control Application
- ◆ Adjustable Monitor, Keyboard and Mouse Rack
- ◆ Large platen surface with removable front panel accommodates individual manipulators and probe cards
- ◆ Programmable or Manual Manipulators

## CONTROL ELECTRONICS

- ◆ Programmable Manipulator Control Electronics
- ◆ PC Control Software

## VIBRATION ISOLATION SYSTEM

- ◆ Vibration Isolation Table
- ◆ Casters & Leveling Feet



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