**PA200/AP200 BlueRay**

Fastest Production Testing Without Compromising Accuracy

- **Operation lamp for machine status**
- **Instrument shelf for easy access to measurement equipment**
- **Microscope**
  - High-resolution optics for probe inspection, wafer navigation and alignment
- **Universal platen setup**
  - For use with DC and RF positioners and probe cards
- **Base machine**
  - 200 mm x/y stage for reliable 24/7 operations
  - Low maintenance
  - Designed for fast die stepping up to 10 die/sec
  - High-accuracy Z stage for minimum scrup mark
- **Chuck**
  - Conductive chuck surface with vacuum holes for thin wafers
  - Integrated AUX sites for calibration and cleaning sites
  - Thermal test capability (25° C to 150° C)
  - Integrated vibration isolation system
  - Eliminates vibration from external sources (acoustic, architectural, etc.)
  - Enhances system stability
  - Reduces damage to pads, wafers and probe tips
- **Small footprint machine table**
  - Integrates all prober components and supplies
  - Integrated rollers
- **Electronics box**
  - Stable, Linux-based controller
  - Realtime PID motion controller
  - Z-Profiling: Automatic wafer warpage compensation
  - Integrated, reliable industrial PC for running Velox probe station control software
- **Velox™ probe station control software**
  - Operate machine in a semi-automatic engineering mode
  - Free die-to-die navigation on wafer
  - Individual die testing
- **VeloxPro™ test automation software**
  - Easy-to-use SEMI E95 compliant user interface
  - Efficient communication with test executive software
  - Powerful pattern recognition capability
- **Expert control panel**
  - Comfortable use without PC
  - Full control of all probe stages with position feedback
  - Entire system control from one panel
  - Analog joystick for precise, sub-micron positioning
  - Point-and-shoot navigation
- **Loader module**
  - Universal cassette stand for substrates from 2” to 8”
  - Integrated pre-aligner for flatness detection
  - Barcode/2D matrix code/OCR wafer code recognition
  - Field-upgradable

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