

# DxV TEST SYSTEM

Changes the Rules of Design Through Production Test



The DxV providing full semiconductor ATE performance in a desktop PC footprint. Designed for use in lab, office or production test floor.

- Compact, lightweight, single box design
- 5 full featured Diamondx instrument slots
- Workstation fully integrated into test head
- Leverages Diamondx high performance PCIe architecture
- Unison software compatibility with other Cohu test platforms
- True zero footprint production set up
- DC to high speed digital instrument options
- High density instrumentation delivers over 1000 pin resources for high volume production needs
- Links to 3rd party software and hardware development tools

Ultra-compact, full featured ATE at home in design labs through to high volume production test.

- Post silicon validation and evaluation
- Engineering samples or quality testing and analysis
- IoT and sensor device testing
- High throughput wafer and WLCSP test applications

# DxV TEST SYSTEM

## Designed for use in a lab or office

The DxV is a fully integrated, ultra-compact test system, designed to be used in the engineering lab or office. Unlike traditional semiconductor ATE solutions there is no mainframe, separate workstation or support cabinets needed. The DxV is completely stand-alone, so can be placed on or beneath a bench or desktop. Software and communication interfaces are available to enable usage with other engineering validation tools. The DxV is air cooled with low ambient noise so it meets the requirements of a typical office environment.

As well as design validation the DxV can also be configured for production use. The DxV can be used with a range of direct docking options to both Handlers and Probers, that once docked have no need for a dedicated manipulator. Hence, the DxV manipulator is designed for portability and therefore very lightweight compared to traditional production ATE manipulators. The DxV is easy to set up and runs the full suite of Unison production tools used on other Cohu Tester Group products including the Diamond<sub>x</sub>. This facilitates the transitions to high volume production on the Diamond<sub>x</sub>.

## DxV Offers:

- Universal instrument slot architecture: Allowing simple re-configuring of the system to cover a broad range of applications
- A range of digital, analog, DSP and RF instruments
- Ultra-compact small footprint, making it ideal for lab development and high-volume production
- PCI-Express<sub>2</sub> Data Bus up to 80Gbps bi-directional transfer between system CPU and test-head
- Unison OS offering a complete suite of test software tools including such scan test, concurrent test, multi-site setup and system level calibration and diagnostics
- Portability using castors or light-weight manipulator

For further details contact our sales team.

