

SPS-2600-VAC and SPS-2800-VAC Series Vacuum Probe Stations

[Data Sheet](#)

micro  **act, inc.**

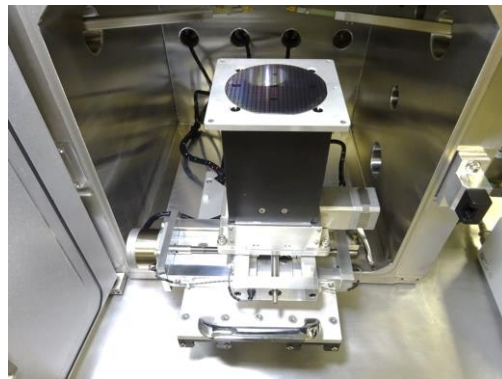
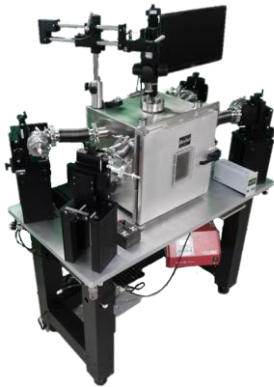
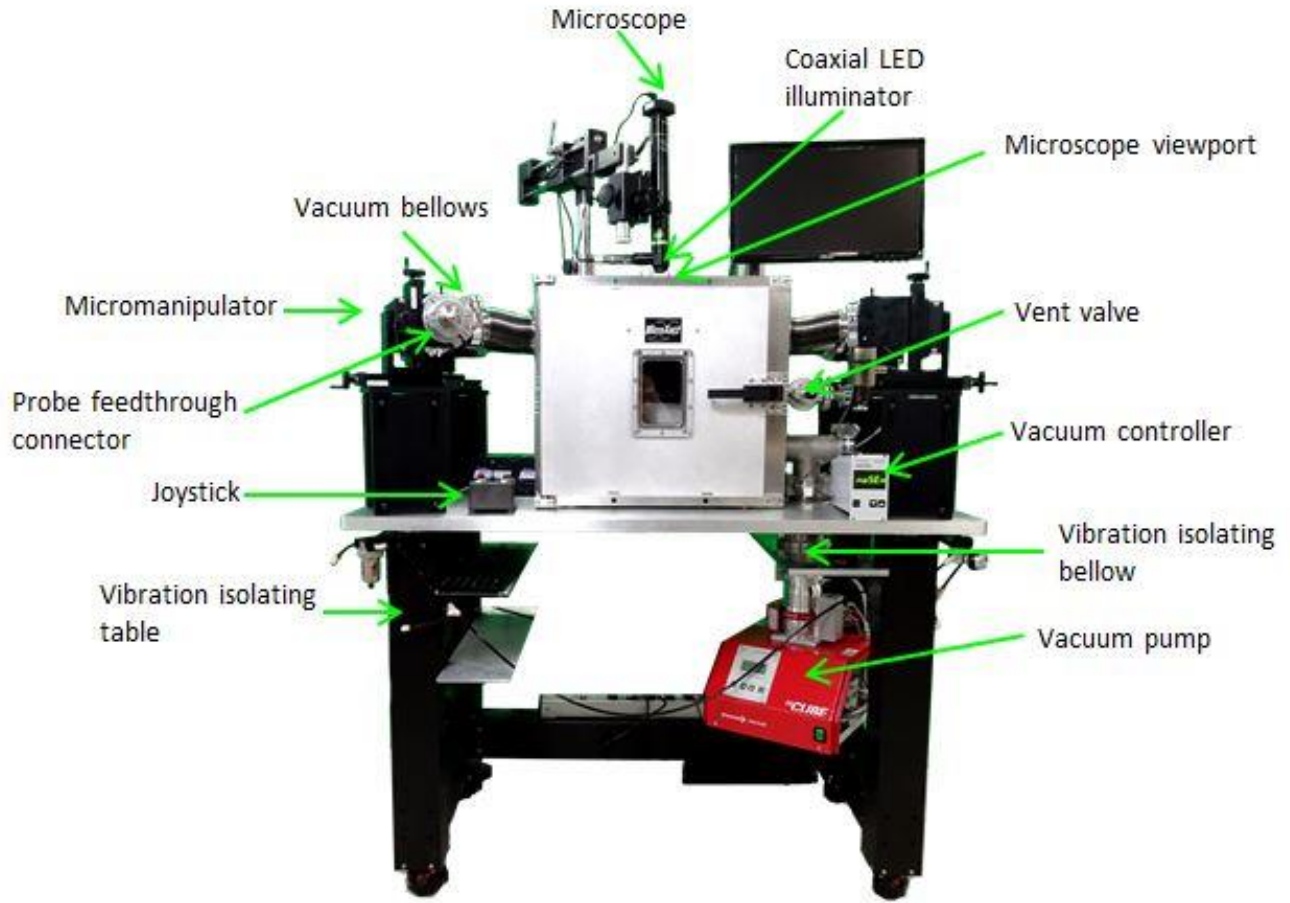
The SPS-2600-VAC and SPS-2800-VAC Series are MicroXact's vacuum probe stations designed to support motorized or semi-automatic probing of up to 100mm or up to 200mm wafers in a vacuum or controlled gas atmosphere. System and precise, cost-efficient, low noise and convenient to use. These systems are built on a vibration-compensated, versatile platform capable of being configured to handle a wide range of probing applications. Ideal for icing-free testing down to 77K or for high temperature testing of devices and components that are prone to oxidation.

Features

- Available with standard repeatability/resolution ($\pm 7\mu\text{m} / 1.5\mu\text{m}$) and high repeatability/resolution (better than $2\mu\text{m}/100\text{nm}$) in X & Y.
- Z repeatability/resolution: better than $2\mu\text{m}/100\text{nm}$
- Available with manual or motorized theta stage
- Available with 4 or 6 probe arms.
- Optionally, the probe card adapter can be selected
- Microscope selection include 7:1, 12.5:1 and 16:1 digital zoom microscopes
- BNC, Triax, DC pin and RF probe arms and probes are available.
- Standard boom mount assembly for full-range XYZ positioning of microscope.
- High resolution micropositioners for micron-level positioning of probes are standard.
- Isolated, grounded, coaxial or triaxial wafer chucks are available.
- RF options available include customizable RF probes, RF biasable chuck, and shielding enclosures.
- Thermal chuck systems for 77K to 680K testing are available
- Software-controlled pressure control is available as an option
- The choice of roughing, or roughing/turbo pumps is available
- Automation software: XactTest™



Overview



SPS-2600-VAC and SPS-2800-VAC

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