

MPI TS3000-SIPH | 300 mm Automated Probe System with IceFreeEnvironment™

The Dedicated Solution for Silicon Photonics Device Characterization

Microscope and Optics Options

- Stable microscope bridge mount with 50 x 50 x 140 mm programmable movement
- Various optics options available such as MPI AMZ12 w. up to 12x optical zoom or MPI iMAG® - the digital microscope
- High Power microscopes FS70/PSM-1000

Multichannel Photonic Measurement System

- Supports dual or single sided setup for different device specifications
- Additional RF and DC MicroPositioner placement
- Optical probe arms with device specific fiber holder and distance sensor integration

Probe Platen

- Extra stable and rigid design
- Rectangular adjustments for RF positioners
- Integrated air-cooling for maximum thermal stability

IceFreeEnvironment™

- For using MicroPositioners and probe cards simultaneously, even at negative temperature
- Wide range of triaxial or coaxial thermal chucks in temperature range from -60°C up to 300 °C
- Field upgradable for reduced cost of ownership

Integrated Vibration Isolation Table

- Incorporates a high performance vibration isolation platform
- Optimal working height for ergonomic daily operation



Silicon Photonics Measurement instrumentation

- Instrument shelf for positioning control hardware
- Photometer for optical device output measurement
- Additional equipment on request

Software Suite SENTIO®

- Simple and intuitive operation by revolutionary, multi-touch software control saves significant training time
- Scroll, Zoom, Move commands mimic modern smart mobile devices and allows to become an expert in just minutes
- Switching between the active application and the rest of the APPs is just matter of a simple finger sweep
- MPI RF calibration software program QAlibria® is fully integrated with SENTIO® – for ease of use by following a single operational concept methodology
- GPIB, TC-IP interface for remote control

RF Calibration

- 2 auxiliary chucks for calibration substrates
- Built-in ceramic for accurate calibration up to THz
- 1 µm flatness for consistent contact quality

Thermal Chuck Integration

- Thermal chuck can be operated by using the fully integrated touch-screen display
- Convenient location in front of the operator for fast operation and immediate feedback
- Reduced footprint by chiller space integration

Integrated Hardware Control Panel

- Provide faster, safer and convenient system control and test operation
- Keyboard and mouse are strategically located to control the software or the measurement instruments

*****Available Options*****

- Additional instrument shelf reduces cable lengths and increases measurement dynamic and directivity
- Dark Box