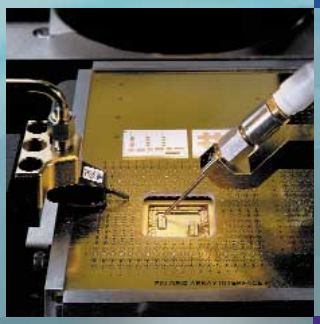
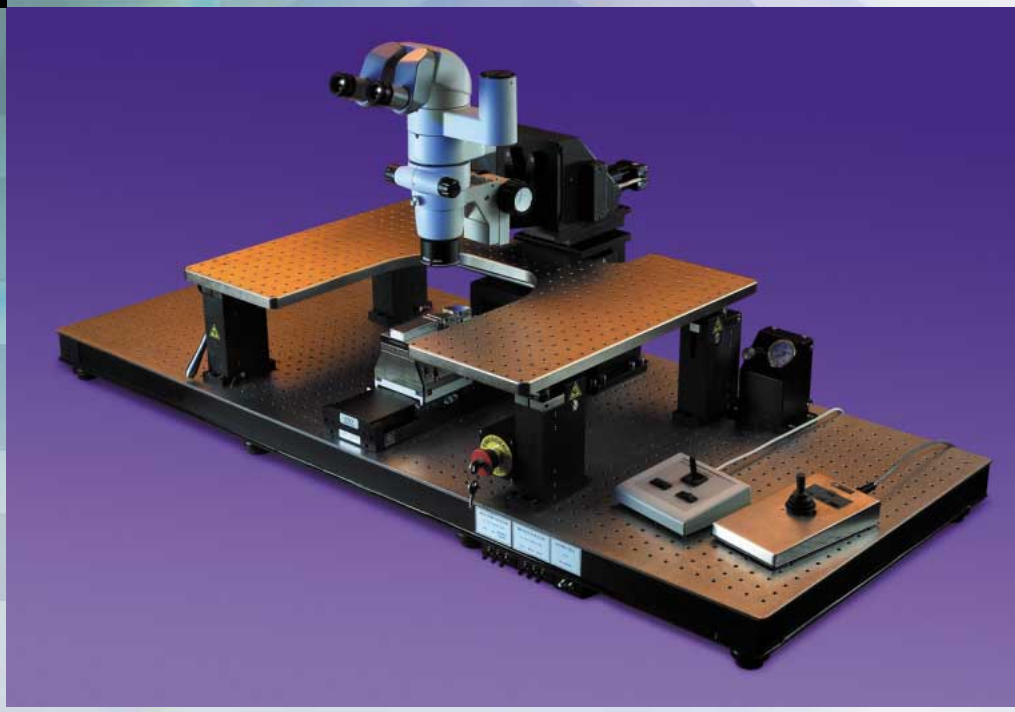




Optical, RF and DC probing capability in one probe station

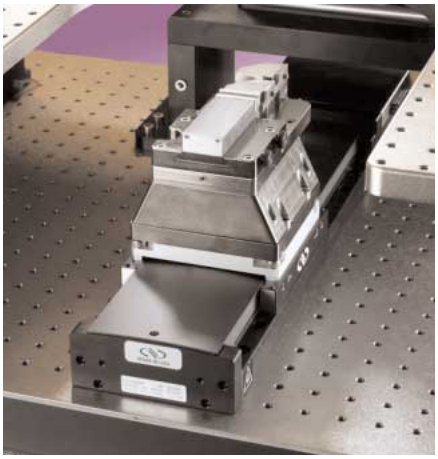
The Lightwave Probe Station can be equipped with any standard commercial fiber optic alignment system and provides full RF, DC and optical probing capability of lasers, modulators and other edge-coupled devices.

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Description

The LWS Series Lightwave Probe Station provides full RF, DC and optical probing of edged-coupled photonic devices including lasers, modulators, edge-coupled photo-diodes and semiconductor optical amplifiers (SOAs). It has been designed to be a general purpose test fixture that provides maximum flexibility. It is compatible with Cascade's RF, DC and optical probes, and because the system is built upon a standard optical breadboard, it is also compatible with virtually any commercial manual or automatic fiber-optic positioning system. In addition, it features user interchangeable device mounting system to adapt to virtually any device type and geometry quickly and easily. It is available with Cascade's fiber optical positioners and breadboard, or the customer can select and even supply their own. Further, the station can be installed directly into an existing test setup to add full probing capabilities. Because of its flexibility, it can eliminate the need to buy redundant test equipment and test fixtures since it can be quickly changed over from testing one device to another.



Close-up of LWS Series Lightwave Probe Station.



LWS Series Lightwave Probe Station.

Features

- Compatibility with Cascade's RF, DC and Optical probes
- US or Metric standard bread board hole patterns on base
- Compatibility with XF test heads for measurements up to 110 GHz
- Manual or automatic microscope translation stage
- Manual or automatic DUT translation
- Custom device holders available
- Optional bread board hole pattern on platen
- Wide selection of microscopes
- Pneumatic assisted microscope lift

Benefits

- Flexible placement of RF, DC and optical probes
- Highly repeatable and accurate probe placement
- Ability to probe wafers, slabs, discretes and modules
- Supports most photonic tests including LIV, spectral, responsivity, modulation

Options

- Automatic stage control
- Automatic optical fiber alignment
- Joystick controlled microscope translation stage
- Optical bread board platen
- Non-standard bread board base
- Custom device holder

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Innovating Test Technologies for better measurements faster

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LWS-DS-0502
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