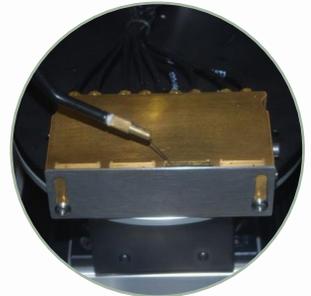
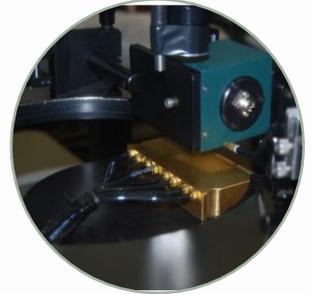
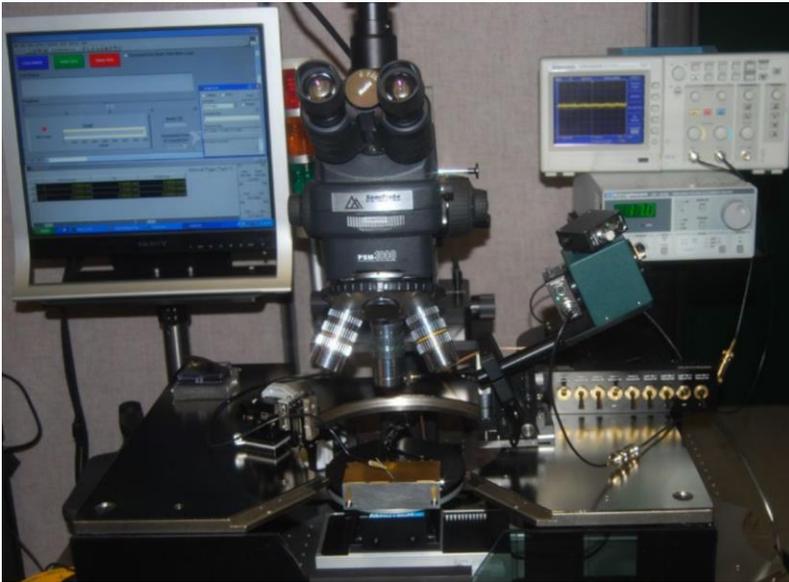




SEMIPROBE®

Test • Inspect • Innovate

SUCCESSFUL APPLICATION: OPTOELECTRONICS - 0419



Specific Requirements:

The customer wanted a multipurpose semi-automatic probe system to test vertical-cavity surface-emitting laser (VCSEL) diodes and edge-emitting laser diodes (EELDs) on the same system using a single integrating sphere. The VCSELs would be in wafer form and the EELDs would be in laser bars.

SemiProbe Solution:

- SA-6 Semi-automatic 150 mm probe system:
 - 150 mm programmable X, Y, Z and theta stage
 - PILOT Software Suite – Navigator, Wafer Map and Autoalign
 - Vibration isolation table
- Multi-purpose gold plated chuck that allows both VCSELs and EELDs to be mounted and held via vacuum
- One integrating sphere for both VCSELs and EELDs probing
- Compound optics with CCTV system
- Manual manipulators with coaxial probe arms and DC probe tips