



FIBERLINE LW4000S

Semi-Automated Laser Bar Characterization System

The LW4000S laser welding system is used for fiber pigtailing and in-package welding applications. The system is designed for both 2-beam, horizontal configuration, and 3-beam, vertical configuration welding. The system can handle coaxial LD or PD modules, 2 and 3-port passive devices, butterfly and DIP packages. For the 3-beam configuration, the Beam Angle of Separation (BAS) is fixed at 120°, and the Beam Angle of Incidence (BAI) at 45° (standard). The 2-beam configuration comes with a fixed BAI of 25° and BAS of 180°.

The standard LW4000S comes complete with ficonTEC's exclusive AccuView Welding Beam Output Housing. This unique

design includes an integral CCD camera and a high-precision optical train that compensates for the focal planes of visible (viewing) and IR (welding) wavelengths. The result is an exceptional image quality and true „what-you-see-is-what-you-weld“ performance.



FEATURES

- + Available in either 2-beam or 3-beam configuration
- + Conversion kit (from 2-beam to 3-beam and vice versa) available
- + Exceptional beam energy balance minimizes post-weld shift.
- + AccuView™ integral CCD-camera output housings for precise visual position control of the welding laser focus
- + Optional 10W or 50W pulsed laser source

APPLICATIONS

- + 3-beam welding of coaxial laser diode modules
- + 3-beam welding of coaxial isolator or WDM module
- + 2-beam welding of direct fiber-chip coupling designs
- + 2-beam welding of confocal optical trains

Please contact us for further information.