

TESTLINE TL500

Semi-Automated Laser Bar Characterization System

The TL500 is a tabletop test system for un-mounted laser diode bars. The devices have to be loaded manually onto the system's temperature-controlled vacuum chucks. The system then moves the temperature chucks into the enclosed test area where the devices are automatically aligned towards the probe needles by means of computer vision. The system now starts the test sequences according to the predefined test plan. The system can be configured to perform measurements on the complete bar at once or on each individual emitter on the bar. Typical measurements are LIV, spectrum and far field at a

temperature range of 15°C to 80°C. All measurement results are stored in an SQL Database.



FEATURES

- + Table Top design
- + Customized fixture design
- + Manual loading of multiple devices
- + Automated device alignment
- + Low force probing
- + Automated test routines according to predefined sequences
- + LIV, spectral wavelength and far field tests
- + Temperature range 15°C to 60°C
- + Optional setup for high power devices
- + Full serial number and device tracking
- + Open Software architecture
- + Flexible integration of external test equipment
- + SQL-Database connectivity

APPLICATIONS

- + Electro optical characterization of un-mounted Laser bars and single laser chips

Please contact us for further information.