



FIBERLINE AA MODAL

Semi-Automated Laser Bar Characterization System

The AutoAlign-MODAL is a modular system for the alignment, assembly and metrology of fiber optic components such as planar waveguides, AWGs and fiber collimators.

The AutoAlign-MODAL can be adapted to increasingly complex assembly and metrology demands as well as growing volume needs by adding easily configurable accessories.

The basic configuration consists of an automated alignment engine, state-of-the-art motion control cards, stages, a power meter and a PC. The system can be reconfigured and upgraded to cope with additional needs.

Exceptionally stable mechanisms are the key to maintaining precise alignment, which in turn allows reliable measure-

ments. The thermal stability of the positioning system is particularly important during epoxy curing, when positional alignment must be carefully maintained over a period of several minutes. The AutoAlign-MODAL has been specially designed to provide superior thermal and mechanical stability through a combination of compact size, choice of appropriate materials, motor/bearing system design and control electronics.

The extensive capabilities offered by the AutoAlign-MODAL are innovatively packaged so that the system is very compact. The basic alignment engine can be contained on a 18 x 18 inch breadboard and upgraded with a vibration-damped platform, glue dispensing unit, UV curing system, computer vision etc.

FEATURES

- + Integrated stages with low optical axis height improve rigidity, stability and system repeatability
- + Economical, modular system can be easily expanded to leverage your investment
- + High load capacity stages for moving device fixtures
- + Small form factor saves space, and is easier to handle and configure
- + Precision motion system delivers high accuracy and repeatability
- + Excellent thermal stability for epoxy curing and laser soldering applications
- + Standardized hardware and software modules enable clear upward migration path
- + Computer vision and automated epoxy delivery options

APPLICATIONS

- + The AutoAlign-MODAL is a modular system for performing alignment and metrology of fiber optic components such as planar waveguides, AWGs, fiber collimators and various active devices.

Please contact us for further information.