

Automatic Assembly and Testing of Optical Modules



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Our designs take into consideration: optical aberrations, thermal lensing, absorption of materials, and damage threshold of the optical system. Our expertise ranges from the UV to IR, nanosecond to ...



Whether you require custom filter designs, specialized coatings, or integrated optical systems, Omega Optical has the expertise and resources to deliver results that exceed expectations. ...



Our optical assembly automation solutions can be designed with an exact application or process in mind or with the flexibility needed for general process development.



To achieve and maintain our high-quality standards, we use the ISO 9001 certified process and advanced in-house testing equipment to perform optical quality testing and environmental testing for ...



Precision-Engineered Motion Solutions for Your Most Demanding Applications your technical requirements and business needs. As the leading manufacturer of custom motion systems and ...



ficonTEC provides device micro-assembly and testing solutions for the photonic device industry. These solutions are realized as cutting-edge, high-precision production systems utilizing advanced ...



Our testing systems include high-resolution optoelectronic sensors, digital camera systems and laser triangulation sensors to deliver efficient end-to-end quality monitoring.



We develop and test prototypes of individual production systems and machine components for the automated assembly of miniaturized laser systems, cameras and optical sensors in medium to large ...



Precision alignment of lens optical axes requires micron-level tilt and decenter adjustments during assembly. Rigorous resolution and imaging quality testing ensures optimal optical performance.



In our assembly solution, we often combine metrology and bonding equipment with our micromanipulator to obtain monolithic tools to actively align and bond optical components.



Successful automation begins with a well-defined and optimized assembly process. Our dedicated application laboratory allows us to work closely with you to refine your product's assembly workflow.

Contact Us

For more information, pricing, or custom solutions, please contact us:

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