

System Specifications

Fiber Array Waveguide High-speed Alignment System

Fiber Array Waveguide shall be aligned with the original technology at the fastest speed in the world.

Outline

This system makes the alignment of Fiber Array, Waveguide with high-speed and high-accuracy by PGAL-1 high-speed alignment method with piezo actuator at fiber array holding part of waveguide incidence/output

This system becomes a production system of Fiber Array Module if UV adhesive function (option) would be added.

Waveguide Loss Measurement System can be constructed as an option.



Feature

The alignment with the fastest speed in the world and high precision can be made and also the alignment of array direction can be made with high-speed and high precision.

This alignment shall be made during confirming a condition of alignment by waveform.

The alignment of θ -direction can be made without any care about a gap of rotational center.

Specifications

Alignment Axis : X、Y、Z、 θ -axis

Method : PGAL-1 Active Alignment method

Time : 10 sec /each part

Accuracy : within $\pm 0.1\mu\text{m}$ (depend on the sample)

About this system, please contact us.

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