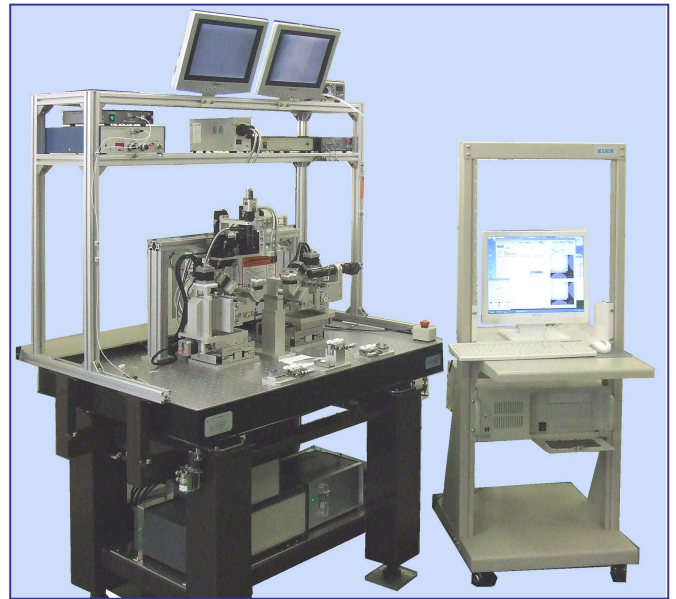


Low cost version

Alignment of Wave-guide and Fiber array

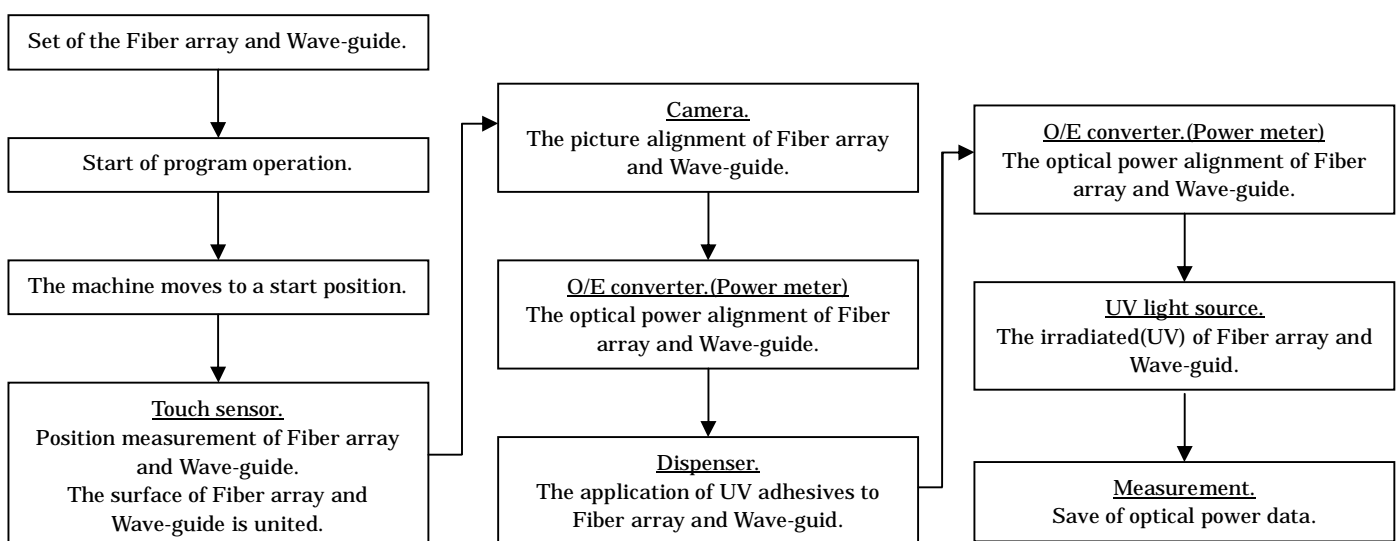


High precision alignment by original high rigidity SUS stage.

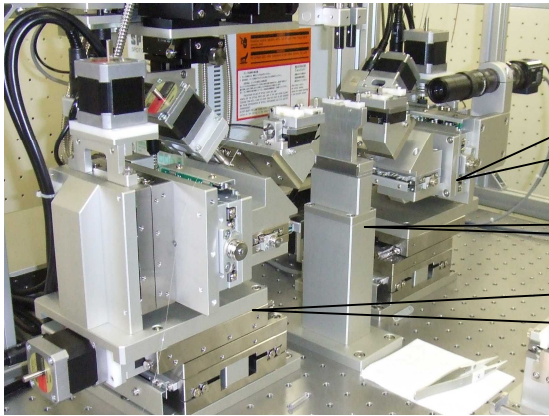
High speed alignment by original power meter.

High speed alignment by original multithread software.

The main flows of the alignment system.



The program can be changed freely.

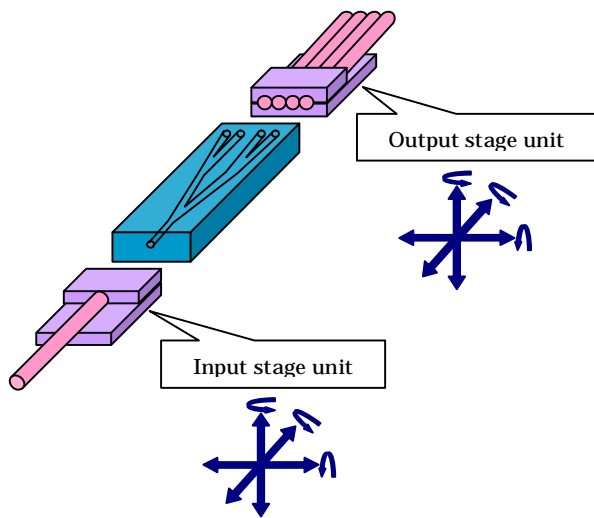


Output : Automatic Fiber array stage unit
 Automatic stage = X,Y,Z,θx,θy ,θz
 The contact sensor is attached
 (It is automatic and the surface of Fiber array and Wave-guide is united.)
 Picture automatic alignment camera

Center : Wave-guide unit

Input : Automatic Fiber array stage unit
 Automatic stage = X,Y,Z,θx,θy ,θz
 The contact sensor is attached
 (It is automatic and the surface of Fiber array and Wave-guide is united.)

Auto Motion Axes (12axes)



The move part of each unit.

	Axis	Working Range	Resolution
Input Automatic Fiber array stage unit	LX	± 25mm	0.025 μ m
	LY	± 15mm	0.025 μ m
	LZ	± 25mm	0.025 μ m
	L x	± 8 °	0.000015 °
	L y	± 8 °	0.000012 °
	L z	± 8 °	0.000012 °
Output Automatic Fiber array stage unit	RX	± 25mm	0.025 μ m
	RY	± 15mm	0.025 μ m
	RZ	± 25mm	0.025 μ m
	R x	± 8 °	0.000015 °
	R y	± 8 °	0.000012 °
	R z	± 8 °	0.000012 °

The main equipment of KS502-AM

The main mechanism portions	The main control unit
Input : Automatic Fiber array stage unit Automatic stage = X,Y,Z,θx,θy ,θz The contact sensor is attached Fiber array holder	LD light source (Option)ASE light source Selection of wavelength can be performed.
	O/E converter (2ch)
	Stepper motor driver (12 axis)
Center : Wave-guide unit Wave-guide holder	Contact sensor driver (2ch)
Output : Automatic Fiber array stage unit Automatic stage = X,Y,Z,θx,θy ,θz The contact sensor is attached Picture automatic alignment camera Fiber array holder	UV light source and UV light guide
	Dispensor, Computer Kuge proprietary Cockpit software Stepping motor controller board Picture board A/D board LCD monitor Computer rack
Stage unit of UV hardening and an observation camera. The UV light source and fiber for UV hardening. The observation camera and a monitor. (× 2)	
Anti-vibration table and Measurement shelf	



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