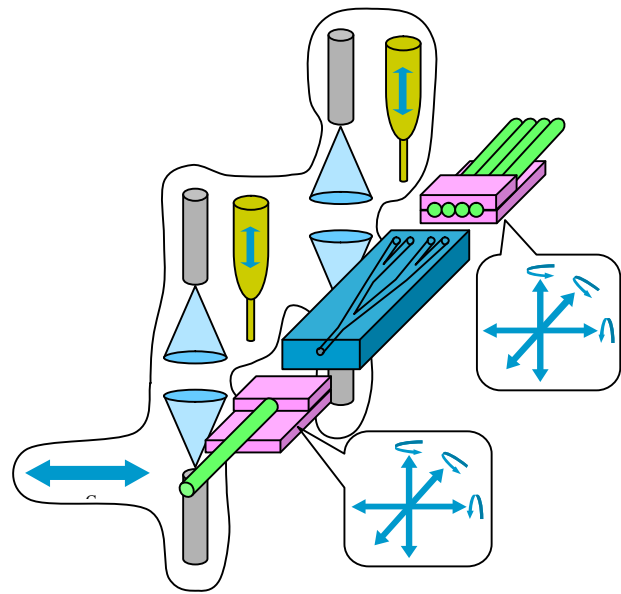
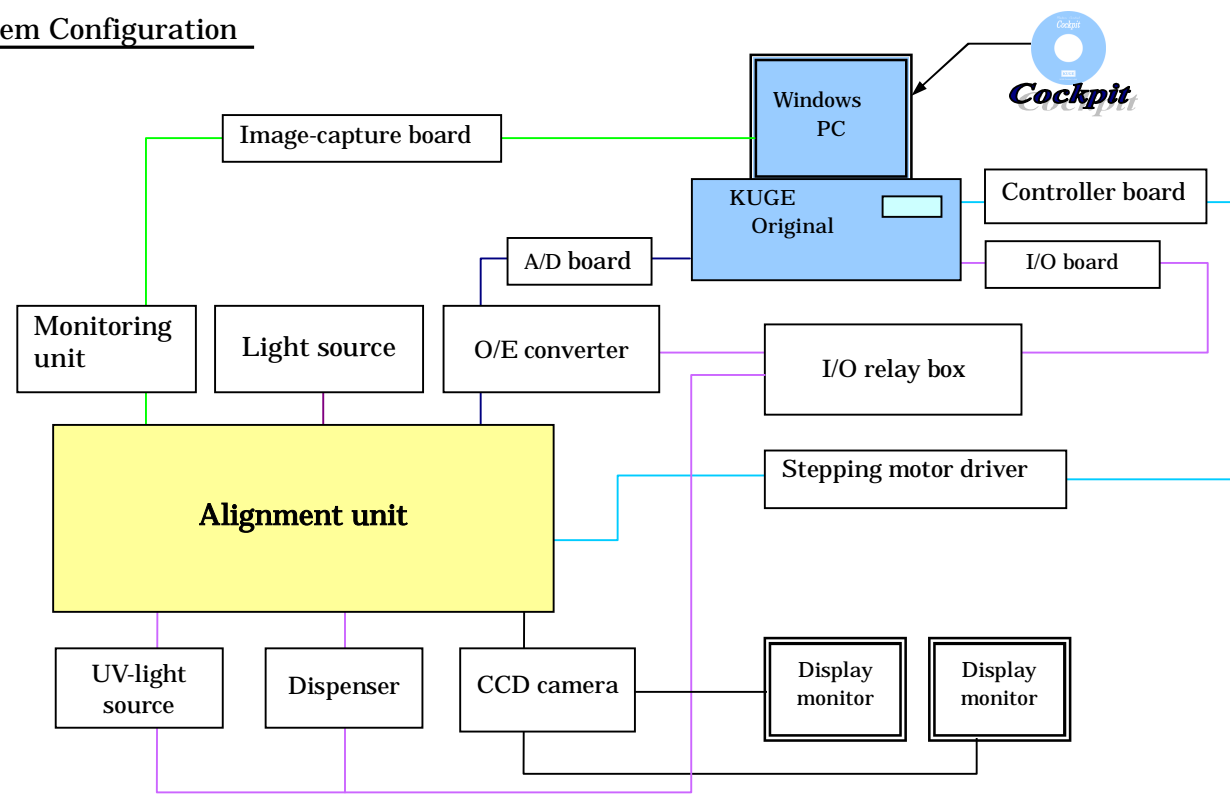


Auto Motion Axes (15axes)



Unit	Axis	Working Range	Resolution
Input side aligning unit	LX	± 25mm	0.025 μ m
	LY	± 15mm	0.025 μ m
	LZ	± 25mm	0.025 μ m
	L x	± 8 °	0.00078 °
	L y	± 8 °	0.0006 °
	L z	± 8 °	0.0006 °
Output side aligning unit	RX	± 25mm	0.025 μ m
	RY	± 15mm	0.025 μ m
	RZ	± 25mm	0.025 μ m
	R x	± 8 °	0.00078 °
	R y	± 8 °	0.0006 °
	R z	± 8 °	0.0006 °
Monitoring · UV-light	CX	100mm	0.025 μ m
Left side dispenser	UL	60mm	0.1 μ m
Right side dispenser	UR	60mm	0.1 μ m

System Configuration



*KS-502-AA* **KUGE**

# PLC Quick Alignment System



**Designed for high-speed alignment.**

**SUS stainless steel against thermal expansion**

**High-speed alignment by multi threads transaction.**



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### LD Light Source

Assembled in our own works. Low price.



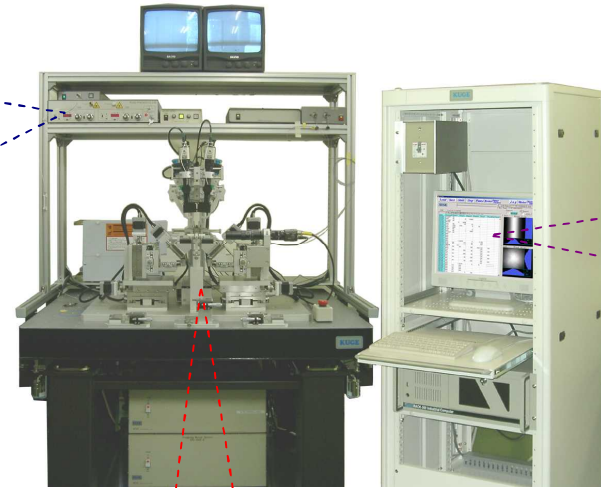
Selection	
•	1310nm (Wavelength)
•	1550nm (Wavelength)
•	N-channel Light Source
•	ASE Light Source

### O/E Converter

Made only for alignment use.  
Smooth power-range switching by PC controlled I/O accesses.

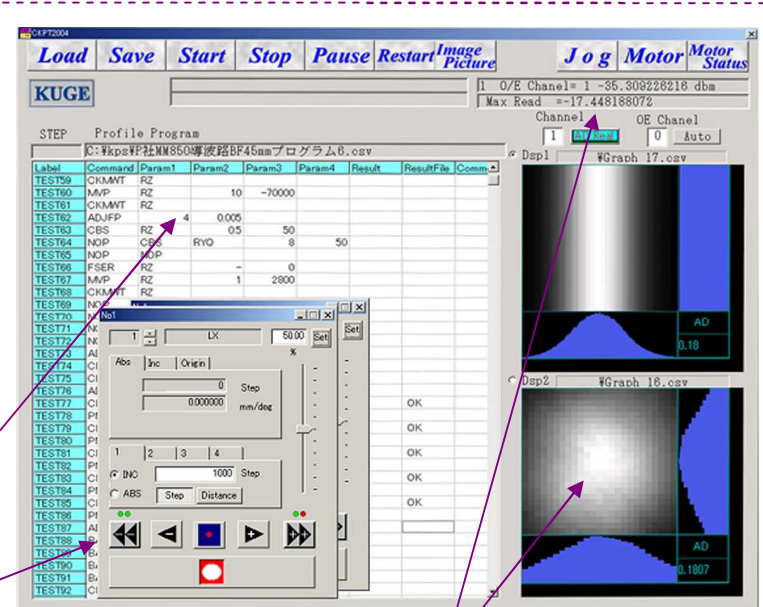


Any Input channel version available.



Sequence programming

Jog operation buttons



Optical power monitor

### “Cockpit” Original Software

This is our original motion control software.

- Control 32axes (max),
- Image analyses
- Control touch sensor etc.

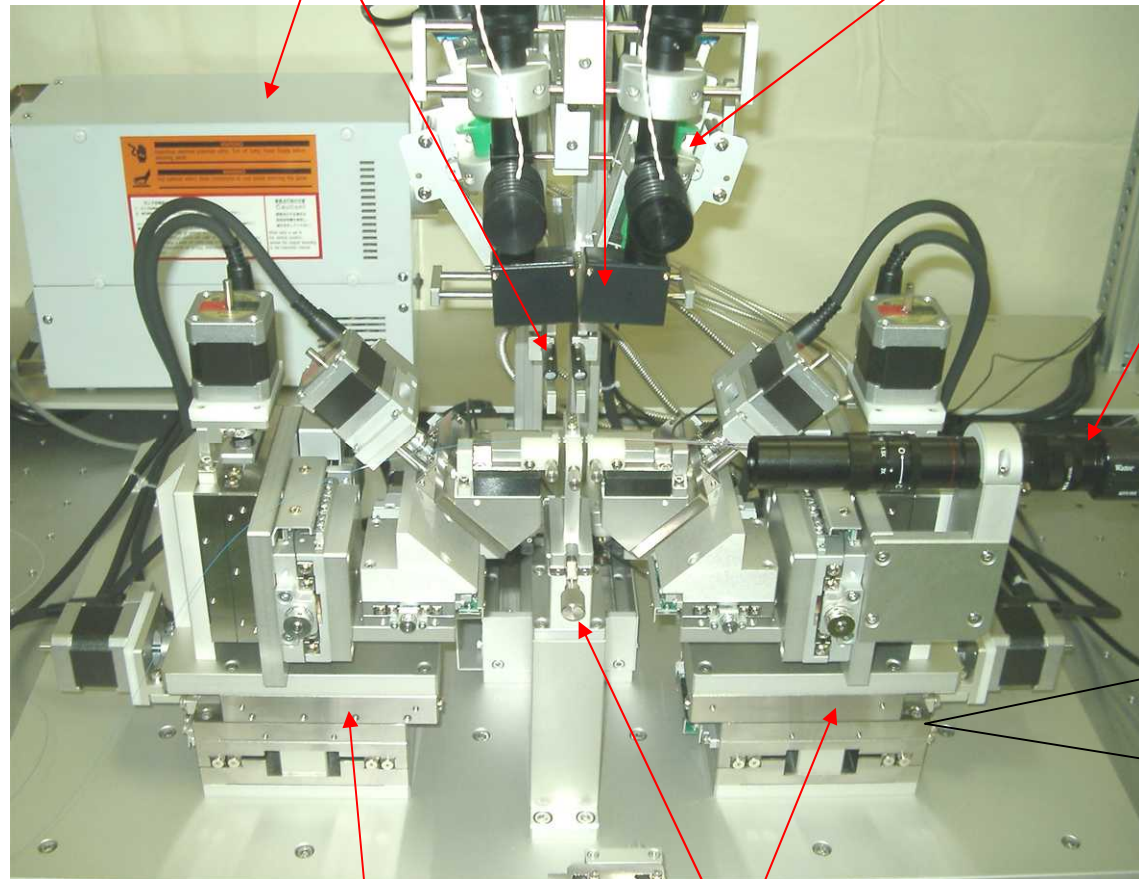
Programming is very easy with combining sequential descriptions.

UV light source

Monitoring camera

UV adhesive

Aligning camera



Input side Auto Motion Stages (6 axes)

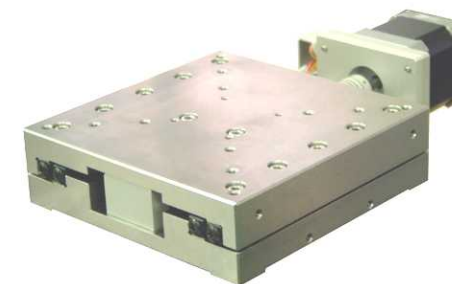
Device holding unit

Input side Auto Motion Stages (6 axes)

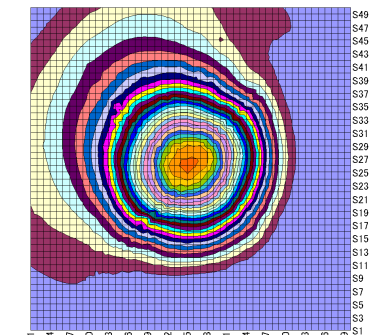
### SUS Stage speaks.

By adopting low thermal expansion coefficient material "SUS" (Stainless Steel), which is little affected by motor-generated heat when stages move back and forth. Changing material from Aluminum (popular material) to SUS, improved repeatability of the optical power data and optical power sampling time etc. SUS stages are made by our own processing-works.

When align the devices to the identical position with X Y axes, the more the optical power distribution close to circular, the more the stages' traveling distance and its calculated value are same. Which means the both stages being at the identical position.



SUS stage



Optical power distribution