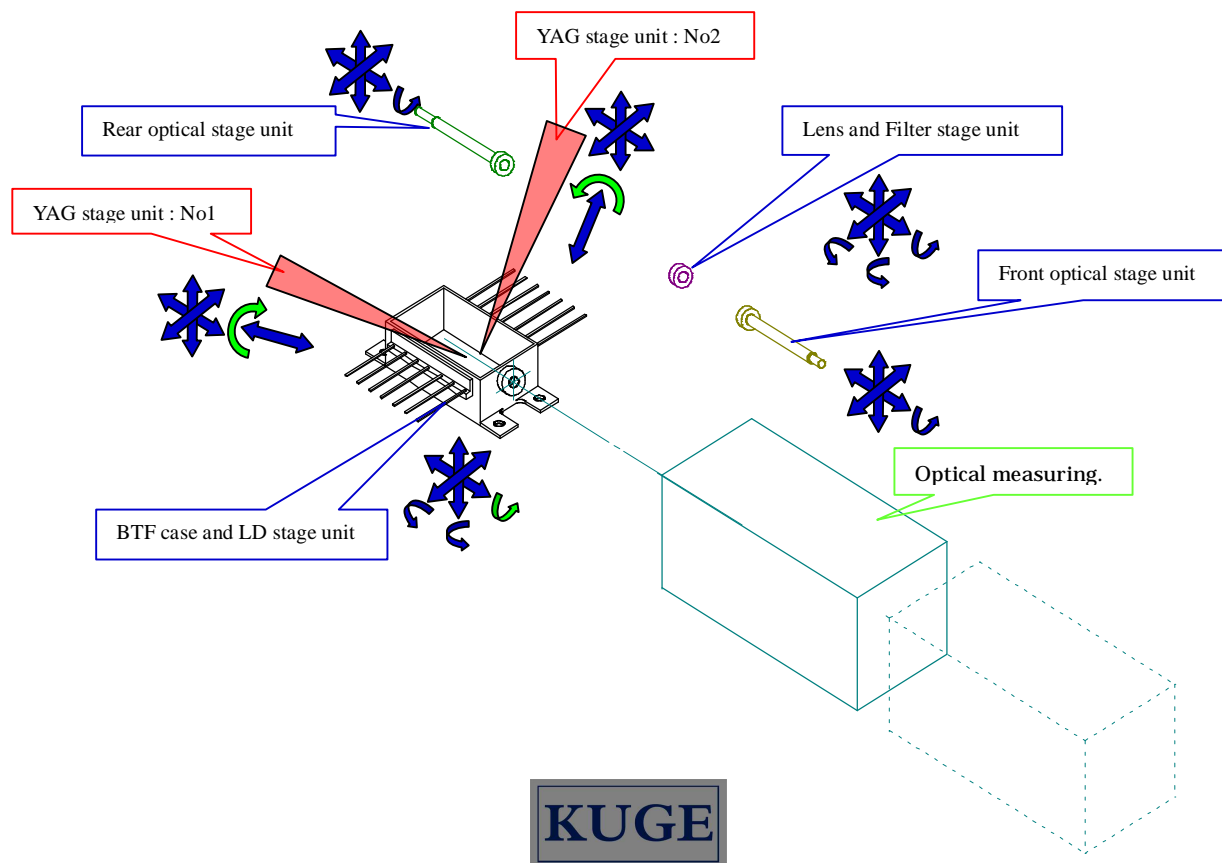


High precision alignment by original high rigidity SUS stage.

High speed alignment by original power meter.

High speed alignment by original multithread software.



YAG stage unit ×2

Automatic stage = X,Y,Z, Focus.
 YAG welding part observation camera is a standard equipment.
 YAG angle can also be changed.

Lens and Filter stage unit

Automatic stage = X,Y,Z,θx,θy,θz

Rear optical stage unit

Automatic stage = X,Y,Z,θz.

Optical measuring.

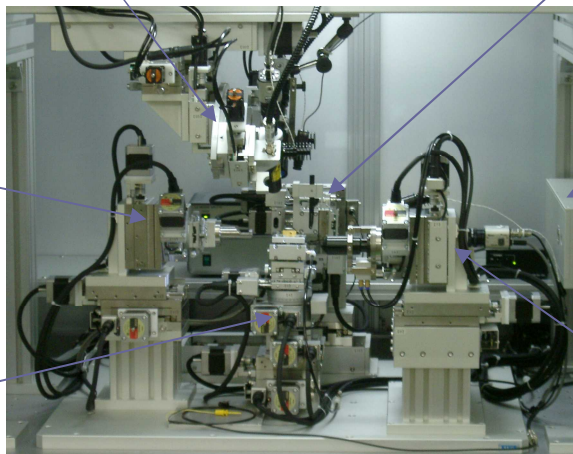
: Shooting angle.
 : Expansive angle.

Package stage unit

Automatic stage = X,Y,Z,θx,θy
 Manual stage = θz

Front optical stage unit

Automatic stage = X,Y,Z,θz.

**Automatic stage details of each unit.**

	Axis	Working Range	Resolution		Axis	Working Range	Resolution
BTF case and LD stage unit	PX	± 15mm	0.025 μ m	Rear optical stage unit	RX	± 50mm	0.025 μ m
	PY	± 2.5mm	0.025 μ m		RY	± 15mm	0.025 μ m
	PZ	± 15mm	0.025 μ m		RZ	± 25mm	0.025 μ m
	Pθx	± 8 °	0.000015 °		Rθz	± 135 °	0.00005 °
	Pθy	± 135 °	0.00005 °				
Lens and Filter stage unit	LX	± 25mm	0.025 μ m	YAG stage unit No1	YLX	± 10mm	0.1 μ m
	LY	± 15mm	0.025 μ m	YLY	± 10mm	0.1 μ m	
	LZ	± 25mm	0.025 μ m	TLF	± 10mm	0.1 μ m	
	Lθx	± 135 °	0.00005 °	YAG stage unit No2	YRX	± 10mm	0.1 μ m
	Lθy	± 8	0.000012 °	YRY	± 10mm	0.1 μ m	
	Lθz	± 8	0.000015 °	TRF	± 10mm	0.1 μ m	
Front optical stage unit	FX	± 50mm	0.025 μ m	YAG stage unit	YZ	± 50mm	0.1 μ m
	FY	± 15mm	0.025 μ m				
	FZ	± 25mm	0.025 μ m				
	Fθz	± 135 °	0.00005 °				

The main equipment of KS 203

The main mechanism portions	The main control unit
BTF case and LD stage unit Automatic stage = PX,PY,PZ,Pθx,Pθy Manual stage = Pθz BTF holder	LD Controller
	O/E converter.
	Stepper motor driver (26 axis)
	Computer
	Kuge proprietary Cockpit software
	Stepping motor controller board
	A/D board
	I/O board
	LCD monitor
	Computer rack
	YAG welding machine
	Miyachi or Omron (YAG maker can be chosen by a visitor's hope)
YAG stage unit × 2 Automatic stage = YLX,YRX,YLY,YRY,YLF,YRF,YZ The observation camera and monitor of a welding portion.	
Anti-vibration table and Protection cover.	



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