

# Reduction of alignment time

Motorized Stage + Controller + Alignment software

Axis 3 and 6

Short LT

- 6 type Alignment Software
- High resolution (10 nm)
- Closed loop servo
- Good JOG operation

- Externally controllable
- Surface alignment with contact sensor (EW51/E31)

More info.

Stage Controller Set

Lineup

EW50 (6Axis)

EW30 (3Axis)

Equipped with contact sensor Stage Controller Set

Lineup

EW51 (6Axis)

EW31 (6Axis)

Application Examples

(End face coupling • Grating Coupler Coupling)

Contact Sensor

(Designed for Fiber Array)

Field search	XY alignment (Flat)	Single axis alignment function
Searching signal position roughly	Alignment by each axis in flat plane	Single-axis alignment on the surface(Profile)
XYZ alignment (Focus)	XY θz alignment (Rotation)	Loopback alignment
Alignment to search focusing position with Z axis adding to XY alignment	Alignment with θz rotation based on 2ch signal peak position	Alignment when one shaft has input and output

Standard peripherals available Please purchase peripheral parts according to your condition.

Preset base E300-L

Preset style fiber holder E310-1L

Preset style FA holder E340L-2-B

Preset style FA holder E340R-2-B

Preset style fiber holder E310-1R

Preset base E300-R

Fiber Array Holder F267-L

Fiber Array Holder F267-R

V groove holder

Clamp

Positioning pin

Preset Waveguide Holder Unit E410

Holder Adapter E410-B

Preset Waveguide Holder E400

Device Unit Fixed Type E1000-\*

Waveguide

WG holder

Preset base E410-B

Not to be attachable to the tilt stage

Device unit E1000 (No key)

Air Control Option For EW31/EW51

## EW Series Common Specifications

Item	Description
Control Axis	12 Axis / 6Axis
Stage Specification (6Axis type)	Axis
	Travel range
	Resolution
	X ±25mm 0.010μm
	Y ±5mm 0.005μm
	Z ±25mm 0.010μm
	Tx ±6deg 0.460arc sec
Motor Driver	Ty ±8deg 0.561arc sec
	Tz ±8deg 0.601arc sec
Motor Driver	Closed-loop control by 2-Phase Stepper Motor(2.0Ao-p/ph)
Alignment software	Single, XY-FLAT, XYZ-FOCUS, XYθz-ROTATE, Loopback
External Control Language	C# and C++ DLLs are provided, Python is also supported
Power Source	AC100~240V+/-10% 50/60Hz, 650VA or less
External Dimensions	430(W)462.3(D)231.5(H)mm(with protrusion)
Weight	17.5kg