

# Reduction of alignment time

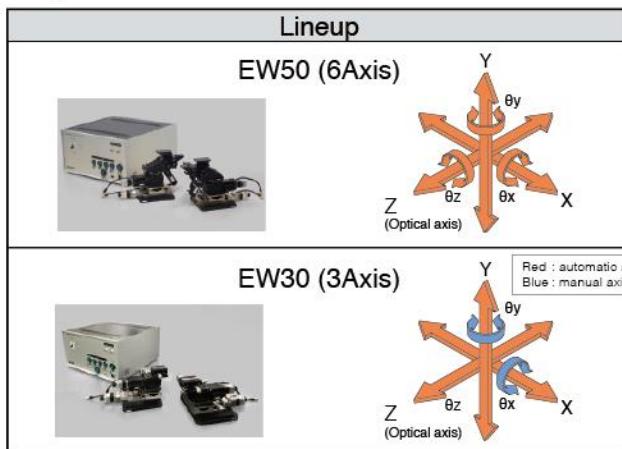
Motorized Stage + Controller + Alignment software

**Axis 3 and 6**  
**Short LT**

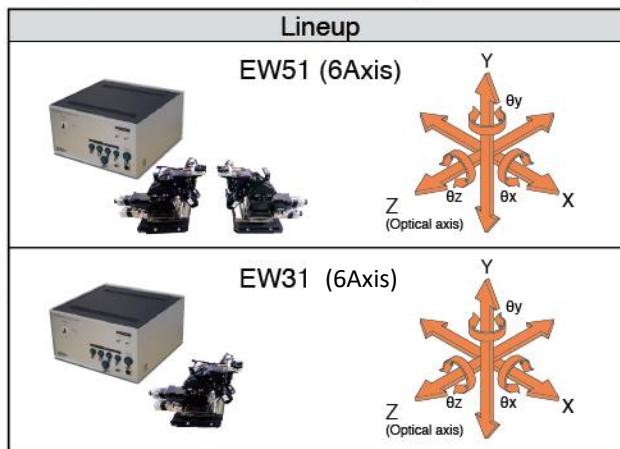
- 6 type Alignment Software
- High resolution (10 nm)
- Closed loop servo
- Good JOG operation
- Externally controllable
- Surface alignment with contact sensor (EW51/E31)



Stage Controller Set



Equipped with contact sensor Stage Controller Set



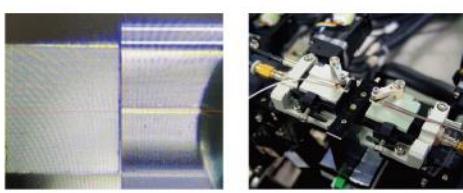
## Application Examples

(End face coupling • Grating Coupler Coupling)



## Contact Sensor

(Designed for Fiber Array)

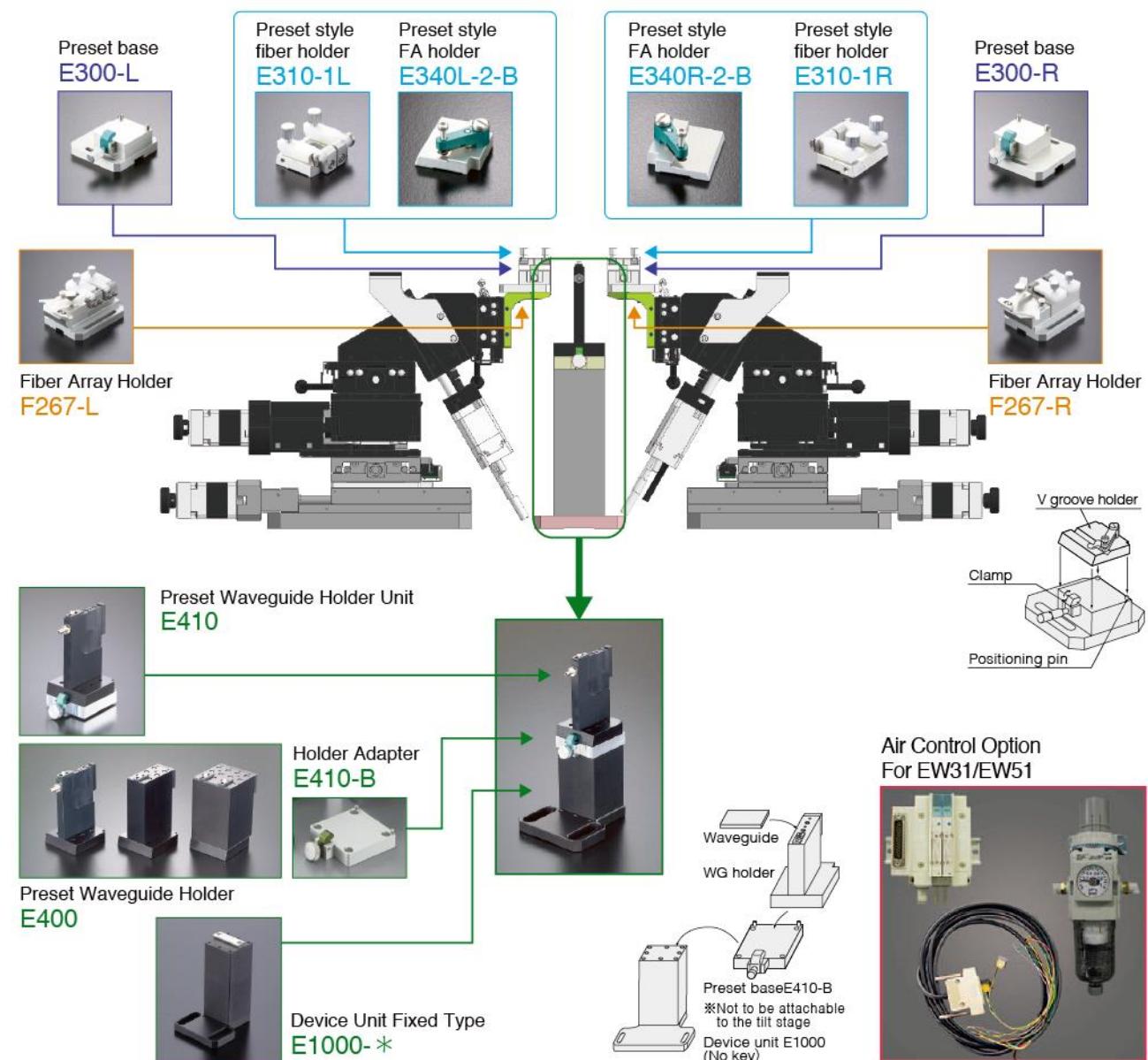


## Controller-equipped alignment software

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.



## 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
	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		