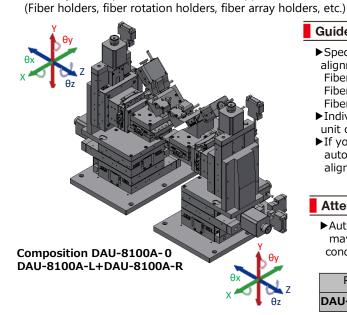
NEW Motorized 12-axis Optical Fiber DAU-8100A-0 RoHS Alignment Stage Unit

12-axis motorized stage unit for automatic alignment with symmetrical 6-axis stages. These units are best suited for alignment of passive devices such as optical waveguide and fiber array.

- Use of high-resolution stages enables alignment with high rigidity and high efficiency.
- Compared with the conventional automatic alignment unit (DAU-080A type), it is more rigid and allows longer travel.
- The magnetic mounting method and the positioning mechanism used in the holders ensure positional repeatability.
- A variety of compatible holders enables application extension associated with device change.



Guide

- ▶ Special holders are available for the DAU-8100A series alignment unit. Fiber holders (FHMF series)
- Fiber rotation holders (FHRM series)
- Fiber array holders (ARH series)
- ▶ Individual left (DAU-8100A-L) and right (DAU-8100A-R)
- unit can be purchased separately. ▶ If you are considering using the DAU-8100A 12-axis automatic alignment unit as the main axis for your alignment system, please contact our sales department.

Attention

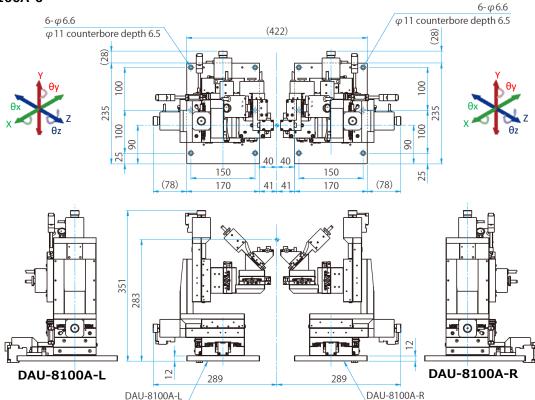
► Automatic alignment unit (DAU-8100A-L+DAU-8100A-R) may interfere when traveling full stoke depending on the condition.

Part Number	Axis			
DAU-8100A-0	12 axes			

(in: mm)

Outline Drawing

DAU-8100A-0

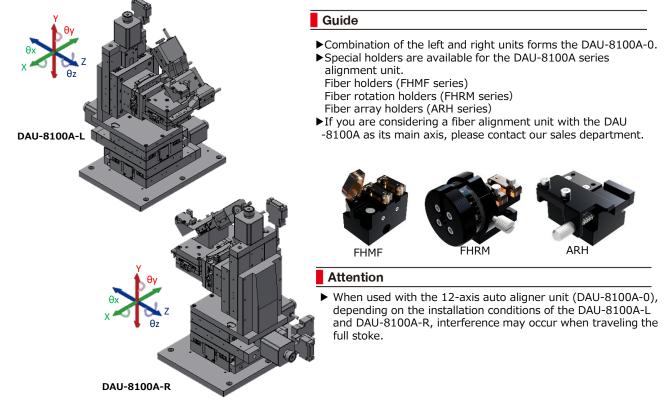




Mew Motorized 6-axis Optical Fiber Alignment Stage Unit DAU-8100A-L/R Rolls

This is a stage unit for 6-axis automatic alignment combining $\theta x \theta y \theta z$ axes with linear motion XYZ axes. Symmetrical L type and R type are available.

- Use of high-resolution stages enables alignment with high rigidity and high efficiency.
- Compared with the conventional automatic alignment unit (DAU-080A type), it is more rigid and allows longer travel.
- The magnetic mounting method and the positioning mechanism used in the holders ensure positional repeatability.
- A variety of compatible holders enables application extension associated with device change.
- (Fiber holders, fiber rotation holders, fiber array holders, etc.)



				Part Number	Axis			
			D	AU-8100A-L		6 axes		
			D	AU-8100A-R		6 axes		
Part Number	Axis	x	Y	z	θx	θγ	θz	
DAU-8100A-L	Part Number	TAMM100-50C	TAMM100-50CR	TAMM100-50CR	OSMS-40A60R	OSMS-60A105	OSMS-60A85R	
	Travel	50mm	50mm	50mm	±5°	±7°	±9°	
	Resolution (Full)	2µm	2µm	2µm	≑0.00217°	≑0.00189°	≑0.00229°	
	Resolution (Half)	1µm	1µm	1µm	≑0.00108°	≑0.00095°	≑0.00115°	
	Positioning Accuracy	<6µm	<6µm	<6µm	-	-	-	
	Positional Repeatability	<1µm	<1µm	<1µm	<±0.004°	<±0.004°	<±0.004°	
DAU-8100A-R	Part Number	TAMM100-50CR	TAMM100-50C	TAMM100-50C	OSMS-40A60	OSMS-60A105R	OSMS-60A85	
	Travel	50mm	50mm	50mm	±5°	±7°	±9°	
	Resolution (Full)	2µm	2µm	2µm	≑0.00217°	≑0.00189°	≑0.00229°	
	Resolution (Half)	1µm	1µm	1µm	≑0.00108°	≑0.00095°	≑0.00115°	
	Positioning Accuracy	<6µm	<6µm	<6µm	-	-	-	
	Positional Repeatability	<1µm	<1µm	<1µm	<±0.004°	<±0.004°	<±0.004°	

