

App. Example List

MISUMI provides various product lineups for positioning and adjustments for FA applications. Please utilize the application examples below for your product selections.

Simplified Adjustment App. Examples: Simplified Adjustment is suitable for the positioning operation that does not require high accuracy. This Simplified Adjustment type includes a product having capability of tightly clamping workpieces once positioning is completed and a product equipped with a characteristic mechanism based on symmetrical action dual carriage.

↔ : Stage Top Travel Direction ↻ : Handle Rotation

- Easy linear adjustment: XKNG60 (P.1893)
- Provides strong clamp after linear positioning: XKYF40 (P.1895)
- Position adjustment in angle rotation direction: XKRC60 (P.1978)
- Fine feed mechanism in vertical direction: XKDSP60 (P.1964)
- Fast and long feed mechanism in vertical direction: ZKB20 (P.1970)
- Position adjustment by open/close mechanism: XANON150 (P.1928)
- Large and fast feed mechanism: XKRKG60 (P.1902)
- Provides linear adjustment to heavy workpieces: XKST150 (P.1927)

Standard Stages Examples : Suitable for applications requiring approx. 30~50µm motion positioning accuracy and repeatability.

- Positioning of Leak Inspection Instrument of Plastic Bottles: XDTS (P.1903)
- Positioning for Adhesive Application to Cotton Swabs: XCRS (P.1917)
- Positioning of Temperature Sensor for Camera Module Thermocompression: RTRM (P.1979), ZDTS (P.1953)
- Positioning of Swage Detection Sensor for Converter: XCRS (P.1917)
- Positioning of Cylinder Stopper for Adhesive Application Device: XDTLS (P.1907)
- Sensor Positioning for Detecting Defects of Connector Terminal Press Fitting: XCRS (P.1917)
- Positioning of Labeling Defects Detection Sensor: ZXRS (P.1967)
- Positioning of Shrink Package Inspection Device: XDTLS (P.1907)

Points on Similar Product Comparison | Travel Accuracy (Straightness) 10µm

Similar Product Pages P.1921

Features: Incorporated Linear Ball Slide Guide mechanism achieves high load capacity.

X-Axis

XY-Axis P.1942
Z-Axis P.1965

XLBS

XLBS40 Table Dimensions
4-M3, Depth 4

XLBS60 Table Dimensions
4-M4, Depth 4

Material: SUS440C
Surface Treatment: Electroless Nickel Plating

Accessory: SUS Hex Socket Low Head Cap Screws
XLBS40 (M3-8, 4 pcs.)
XLBS60 (M4-8, 4 pcs.)

High Precision Stage Existing Product: XSG (P.1921)

Part Number		Travel Distance (mm)	Top View		Front View		Side View					Unit Price
Type	No.		A	B	G		X	S	d1	d2	ℓ	
XLBS	40	±6.5	40	25.8±6.5	13	5.5	32	3.5	3.5	6	3.5	
	60		60	15.8±6.5			50	3	4.5	8	4	

Part Number		Stage Surface (mm)	Load Capacity (N)	Minimum Graduation (µm)	Straightness (µm)	Travel Accuracy		Moment Rigidity (1/N·cm)			Parallelism (µm)	Weight (kg)
Type	No.					Pitching	Yawing	Pitching	Yawing	Rolling		
XLBS	40	40x40	98	10	10	30"	25"	0.38	0.35	0.21	30	0.24
	60	60x60	196			35"	30"	0.1	0.08	0.05		0.44

Ordering Example: Part Number XLBS40

Alterations: Part Number - (CR, CZ, CZR)
XLBS40 - CR

Alterations	Micrometer Head Position		
	Left/Right Reversed	Top/Bottom Reversed	Right/Left & Top/Bottom Reversed
Spec.			
Code	CR	CZ	CZR

* Same dimensions for CR and CZR.