

Stage Selection Table







Manual Stages - Overview

Rotary

Load Capacity (N)	Mechanism, Appearance Image	Travel Distance	Stage Surface Size	Accuracy Range	Features	Type, Listed Pages
9.8~29.4		±22.5°	Ø35 Ø55	Low Precision (Simplified)	Simplified Angle Adjusting	XKRC P.1978
		±10°	□40 □60	Med. Precision (Standard)	Simplified Angle Adjusting (With Micrometer Head)	RTSS P.1980
		Coarse Feed: 360 Fine Feed: ±5°	Ø40 Ø60 Ø80	Med. Precision (Standard)	Coarse/Fine Feeds Standard	RTRS/RTRM P.1979
		Coarse Feed: 360	Ø25	High Precision (Eccentricity 0.05mm)	Small Diameter	RPGE P.1981
		Coarse Feed: 360 Fine Feed: ±5°	Ø38 Ø60 Ø65 Ø100		Coarse / Fine Feeds Standard	RPG P.1982
49.0~58.8		Coarse Feed: 360 Fine Feed: ±5°	Ø60 Ø65 Ø100		Stainless Steel / Through Hole	RPGS/RPGT P.1983
68.6		Coarse Feed: 360	Ø25 Ø40 Ø60	High Precision (Eccentricity 0.05mm)	Coarse/Fine Feeds Standard	REG P.1981
980~1960		Coarse Feed: 360	Ø48 Ø98 Ø198	Low Precision (Simplified)	High Load Capacity	KUS P.1984

Horizontal Surface Z-Axis

ⓘ The values of "Accuracy Range" are for motion accuracy (Straightness) references.

Load Capacity (N)	Mechanism, Appearance Image	Travel Distance	Stage Surface Size	Accuracy Range	Features	Type, Listed Pages
6.9~14.7		±2.5 ±5 ±10	□25 □40 □60	High Precision 30µm	Long	ZLFG P.1972
9.8~39.2		±2 ±3 ±5	□25 □40 □60 □80	High Precision 3µm	Standard	ZLPG ZLPCG P.1973
19.6~29.4		±3	□25 □40 □60 □80	High Precision 5µm	Low Profile	ZLTG ZLTCG P.1974
29.4~49		±3 ±5	□40 □60	Med. Precision (Standard)	Standard (Micrometer Head)	ZLLB P.1971
29.4~58.8		±3	□40 □60	High Precision 3µm	High Load Capacity	ZLPGS ZLPCGS P.1972
29.4~98.1		+5 +7	□40 □60	Med. Precision (Standard)	Standard (Feed Screw)	ZLFD P.1971

Goniometer

Circular arc motion stages with arc centers located on central perpendicular line above the stage tops.



(New Product) Med. Precision (Standard):
GFG/GFWG P.1985
High Precision:
GFG/GFWG P.1986
GPG/GPWG P.1988

Helicoid Screw (Horizontal Surface Z-Axis)

Horizontal surface Z-Axis stages with relatively longer stroke. (±15)



ZHRD P.1975

Lab Jack (Horizontal Surface Z-Axis)

Horizontal surface Z-Axis stages with very large stroke. (±35 Max.)



(New Product) Med. Precision (Standard):
ZLJSP P.1976
High Precision:
ZLJG P.1977

Manual Stage Types

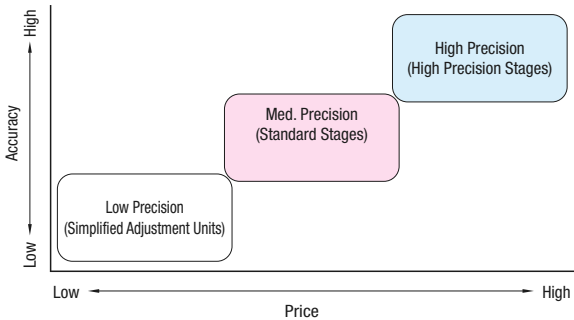
Low precision (Simplified Adjustment Units) and Med. precision (Standard Stages) are MISUMI original products which achieved more "economical prices" than the existing products by revising "Conditions of Guaranteed Accuracies".

Accuracy guarantee and price comparisons between the Precision Stages and the Standard Stages is shown below. Please see P.1885 Selection Chart or the individual product page for the comparison and detailed specifications.



Low Precision, Med. Precision products may very well satisfy your required accuracy conditions. Select a model by reviewing the examples below.

Comparison of Accuracy and Price between High Precision Stages and Standard Accuracy Stages

Standard Accuracy Stages where the surface size, thickness are the same and the stroke is approximate. See each product page for details.



ⓘ The Standard Stages are now defined as C-VALUE product since this catalog. Please be advised that prices are partially revised and lowered.

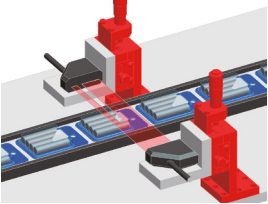
Series	High Precision Stages	Standard Stages
Part Number	XEG60	XFES60
Page	P.1897	P.1896
Photo		
Travel Accuracy (Straightness)	30µm	50µm
Top Face Size	60X60mm	
Thickness	17mm	
Stroke	±9mm	±8mm
Guide	Dovetail Slide	

Difference
20µm
-
-
±1mm
-

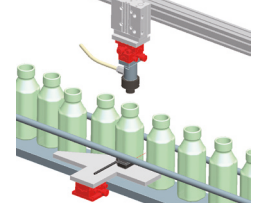


Standard Stages Examples

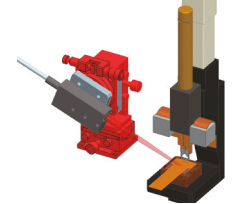
Positioning of Labeling Defects Detection Sensor



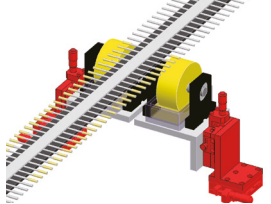
Positioning of Leak Inspection Instrument of Plastic Bottles



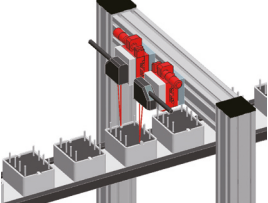
Positioning of Temperature Sensor for Camera Module Thermocompression



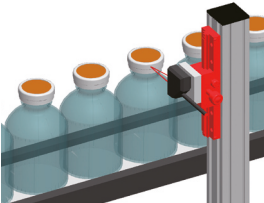
Positioning for Adhesive Application to Cotton Swabs



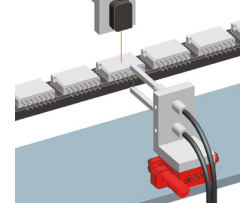
Positioning of Swage Detection Sensor for Converter



Positioning of Shrink Package Inspection Device



Sensor Positioning for Detecting Defects of Connector Terminal Press Fitting



Positioning of Cylinder Stopper for Adhesive Application Device

