


## Positioning stages



MISUMI offers a wide range of Positioning stages. The stages are available as X, Y, Z, X/Y, X/Y/Z types for linear adjustments as well as rotating stages and tilt stages. For swiveling movements, there is a significant difference in the theoretical position of the rotary axis, which can also be on the outside. As a guiding system for your application, you can choose linear shaft guides, dovetail guides, roller guides and crossed roller guides. Adjustment can be done with feed screws, standard thread, fine thread, micrometer heads and rack and pinion drive. The position of the clamping screw or adjusting screw can, thanks to different options, be modified on each product side.


### Stage sizes / travel distance:

- Square Stages from 25mm x 25mm to 120mm x 120mm
- Rectangular stages from 40mm to 300mm length.
- Rotary stages from 25mm to 110mm stage diameter.
- Travel distance from  $\pm 1,7$ mm to  $\pm 140$ mm is possible for stages with linear movement
- Load up to 1176N (Page1-1640)


		High precision stage (Existing product)	Standard precision stage (new product)
		<b>XEG60</b>	<b>XFES60</b>
<b>Part number</b>		<b>XEG60</b>	<b>XFES60</b>
Stage size		60 x 60 mm	
Stage thickness		17 mm	
Travel distance		$\pm 8$ mm	
Travel per rotation		0,5 mm	
Guiding mechanism		Dovetail slide	
Allowable load		39,2 N	
Moment accuracy	Straightness	3 $\mu$ m	30 $\mu$ m
	Pitching	25 °	35 °
	Yawing	15 °	25 °
Parallelism		30 $\mu$ m	50 $\mu$ m
Movement parallelism		10 $\mu$ m	30 $\mu$ m
Weight		0,25 kg	0,24 kg
Top / Bottom	Material	Aluminum alloy	

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Surface plate	Surface treatment	Black anodize
Micrometer head position change (optional)		
Feed screw selection (optional)		X
Reinforced clamp selection (optional)		X
Days to ship	8 days	2 days
Price in Euro	148,20	84,50
URL	<a href="http://www.misumi-europe.com/en/e-catalog/vona2/result/?Keyword=XEG60">http://www.misumi-europe.com/en/e-catalog/vona2/result/?Keyword=XEG60</a>	<a href="http://www.misumi-europe.com/en/e-catalog/vona2/result/?Keyword=XFES60">http://www.misumi-europe.com/en/e-catalog/vona2/result/?Keyword=XFES60</a>

		High precision stage (Existing product)	Standard precision stage (new product)
<b>Part number</b>		<b>XWG60</b>	<b>XDTS60</b>
Stage size		40 x 60 mm	
Stage thickness		34 mm	
Travel distance		± 20 mm	
Travel per rotation		16,7 mm	
Guiding mechanism		Dovetail slide	
Allowable load		39,2 N	
Moment accuracy	Straightness	3 µm	30 µm
	Pitching	25 °	35 °
	Yawing	15 °	25 °
Parallelism		30 µm	50 µm
Movement parallelism		10 µm	30 µm
Weight		0,25 kg	0,24 kg
Oben / Unten Surface plate	Material	Aluminum alloy	
	Surface treatment	Black anodize	
Micrometer head position change (optional)			
Feed screw selection (optional)			X
Reinforced clamp selection (optional)			X
Days to ship		8 days	2 days
Price in Euro		172,90	127,40
URL		<a href="http://www.misumi-europe.com/en/e-catalog/vona2/result/?Keyword=XWG60">http://www.misumi-europe.com/en/e-catalog/vona2/result/?Keyword=XWG60</a>	<a href="http://www.misumi-europe.com/en/e-catalog/vona2/result/?Keyword=XDTS60">http://www.misumi-europe.com/en/e-catalog/vona2/result/?Keyword=XDTS60</a>

## Positioning stages

		High precision stage (Existing product)	Standard precision stage (new)
<b>Part number</b>		<b>XPG60</b>	<b>XCRS60</b>
Stage size		60 x 60 mm	
Stage thickness		20 mm	
Travel distance		± 6,5 mm	
Travel per rotation		0,5 mm	
Guiding mechanism		Cross-Roller Guide	
Allowable load		49 N {5 kgf}	
Moment accuracy	Straightness	3 µm	30 µm
	Pitching	25 °	35 °
	Yawing	15 °	25 °
Parallelism		30 µm	50 µm
Movement parallelism		10 µm	30 µm
Weight		0,25 kg	0,24 kg
Oben / Unten Surface plate	Material	Aluminum alloy	
	Surface treatment	Black anodize	
Micrometer head position change (optional)			
Feed screw selection (optional)			X
Reinforced clamp selection (optional)			X
Days to ship		8 days	2 days
URL		<a href="http://www.misumi-europe.com/en/e-catalog/vona2/result?Keyword=XPG60">http://www.misumi-europe.com/en/e-catalog/vona2/result?Keyword=XPG60</a>	<a href="http://www.misumi-europe.com/en/e-catalog/vona2/result?Keyword=XCRS60">http://www.misumi-europe.com/en/e-catalog/vona2/result?Keyword=XCRS60</a>