


MicroPositioner Selection Guides








Translation Stage Selection Guide

*Models	*Load Capacity [kg]	*Travel Ranges [mm]	*Drive Options	Notes	Page
M-850 Hexapod	200	up to 60 mm up to 15 deg	DC Servo	Six-axis MicroMotion Robot	7-16 
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M-110, M-111	10	5, 15	DC servo / stepper	Motorized, ultra-compact stage	7-30 
M-105, 106	10	6, 18	Manual / PiezoMike	Crossed roller bearings	7-24 
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M-011	1	15	Manual / DC servo / PZT fine range	Low-profile, very straight and smooth motion, 10 nm resolution	7-26 
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M-126	20	25	DC servo / stepper / manual	Crossed roller bearings	7-32 
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M-505	100	25, 50, 100, 150	DC servo / stepper	Compact design, recirculating ballscrew	7-38 
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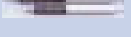








* Custom designs for volume buyers

MicroPositioner Selection Guides (cont.)

Rotation Stage and Tilt Stage Selection Guide

*Models	*Load Capacity [kg]	*Rotation Range [deg]	*Drive Options	Notes	Page
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M-036	40	±10.5	Manual / DC servo / PZT fine range	Clear aperture, high resolution, piezo option	7-52, 7-54 
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Linear Actuator and Micrometer Selection Guide

*Models	*Load Capacity [kg]	*Travel Ranges [mm]	*Drive	Notes	Page
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M-235	5	50	DC servo / 2-phase stepper	Ball screw, high load, integrated limit switches, high resolution, non-rotating tip	7-72 
M-231	5	17	DC servo / 2-phase stepper	High resolution, integrated limit switches	7-70 
M-232	5	17	DC servo / 2-phase stepper	Ultra-compact, high resolution, integrated limit switches	7-71 
M-168	5	10, 25, 50	5-phase / 2-phase stepper, piezo option	High resolution, non-rotating tip, excellent repeatability	7-74 
P-853/854	1	6, 18	PiezoMike	Sub-nanometer resolution	7-76 
M-631/632/633	10	10, 25, 50	Manual micrometer	Non-rotating tip, compact, excellent repeatability	7-78 
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M-653/655	2	6, 20	Differential micrometer	0.1 μ m resolution, compact	7-80 

* Custom designs for volume buyers

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