


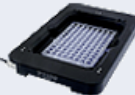



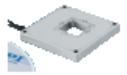


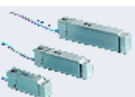


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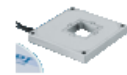
Click Image for Data Sheet	Models*	Description	Axes	Travel [ $\mu\text{m}$ ]	Sensor
	<a href="#">P-725</a>	PIFOC <sup>®</sup> objective nanofocusing system, compact, light-weight, long travel ranges, QuickLock mounting system, direct metrology.	Z	100, 250, 400	Capacitive
	<a href="#">P-721.CDQ</a> <a href="#">P-721.LLQ</a>	PIFOC <sup>®</sup> objective nanofocusing system, very fast and accurate, with QuickLock mounting system, direct metrology.	Z	100	Capacitive / LVDT
	<a href="#">P-720</a>	PIFOC <sup>®</sup> objective nanofocusing system, very compact, without sensors.	Z	100	-
	<a href="#">P-737</a>	PIFOC <sup>®</sup> Z-axis microscopy piezo stage for high-resolution sample positioning and scanning	Z	to 250 $\mu\text{m}$	SGS
	<a href="#">P-541.Z</a>	Low-profile Z- Piezo Stage, 80 x 80 mm aperture.	Z ( $\theta_x, \theta_y$ )	100	Capacitive / SGS

[>> Compact Open-Loop Piezo Stages](#)

Click Image for Data Sheet	Models*	Description	Axes	Travel [ $\mu\text{m}$ ]	Sensor
	<a href="#">P-713</a>	Compact XY-scanner, fast.	XY	15	-
	<a href="#">P-280</a>	Nanopositioning Piezo Stage, XY and XYZ combinations.	X	30, 50, 100	-
	<a href="#">P-290</a>	Nanopositioning Z- Piezo Stage. Long travel range	Z	1000	-
	<a href="#">P-601</a>	Open & closed loop lever amplified Z-actuators / Piezo Stages.	Z	110, 300, 400	- / SGS
	<a href="#">P-287</a>	Z- Piezo Stage and tilt nanopositioning Piezo Stage, long travel range.	Z, $\theta_x$	700, 12 mrad	-
	<a href="#">P-772</a>	Ultracompact Flexure Guided System	X	10	-

[>> Closed-Loop 1- and 2-Axis Piezo Stages with Strain Gauge Sensors](#)


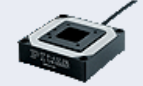
- >> Piezo-Z Microscope Stage
- >> Open-Frame XY Piezo-Motor Stage
- >> Ultra Low Profile PiezoStage
- >> NEXACT® Nanopositioning Motor
- >> Fast Steering Mirrors
- >> Nanometers over Millimeters
- >> Ultra High Load Hexapod
- >> Fast Piezo Flexure Actuators
- >> Micro Piezo Motor Slide
- >> Low-Cost Piezo Z-Stage / Nanofocussing
- >> Semi Award for Piezo Motor

Click Image for Data Sheet	Models*	Description	Axes	Travel [µm]	Sensor
	<a href="#">P-611.1</a> <a href="#">P-611.2</a>	Compact, low-cost X and XY nanopositioning Piezo Stages.	X, XY	100	SGS
	<a href="#">P-611.ZS</a> <a href="#">P-611.XZS</a>	Compact, low-cost X and XY nanopositioning Piezo Stages.	Z, XZ	100	SGS
	<a href="#">P-714</a>	Ultracompact XY- scanner, fast	XY	15	SGS

>> **Closed-Loop Single-Axis Piezo Stages with Direct Metrology (Direct Metrology = Higher Accuracy)**

Click Image for Data Sheet	Models*	Description	Axes	Travel [µm]	Sensor
	<a href="#">P-783</a>	Nanopositioning Z- piezo stage, long travel range, closed-loop, compact.	Z	300	LVDT
	<a href="#">P-620.Z</a> <a href="#">P-622.Z</a>	PIHera® Z-axis nanopositioners, compact, very accurate, long travel range.	Z	50, 100, 250	Capacitive
	<a href="#">P-772</a>	Nanopositioning piezo stage, very compact, fast and accurate	X	10	-
	<a href="#">P-780</a>	Nanopositioning piezo stage, compact, fast, stainless steel	X	80	LVDT
	<a href="#">P-750</a>	High-load nanopositioning piezo stage, very good guidance, high stiffness.	X	75	Capacitive / LVDT
	<a href="#">P-752</a>	Nanopositioning piezo stage. Very fast and accurate, outstanding guiding accuracy.	X	15, 30	Capacitive
	<a href="#">P-753</a>	Nanopositioning piezo stage and actuator in one, very compact, fast and accurate.	Z & X	12, 25, 38	Capacitive
	<a href="#">P-620.1</a> <a href="#">P-629.1</a>	PIHera® piezo nanopositioners, compact, very accurate, long travel ranges, excellent value	X (XY, Z)	50, 100, 250, 500, 1000, 1800	Capacitive
	<a href="#">M-714</a>	Hybrid Z- piezo stage. DC-servo + piezo drive. Extremely Accurate. 2 nm Linear Encoder.	Z	7	Incremental
	<a href="#">M-511.HD</a>	Hybrid translation Piezo stages with DC motors and piezo drives. Extremely accurate. 4 nm Linear X Encoder.	X	100	Incremental



>> **Multi-Axis Piezo Stages, Modular Piezo Stages (Serial Kinematics)**

Click Image for Data Sheet	Models*	Description	Axes	Travel [µm]	Sensor
	<a href="#">P-281</a> <a href="#">P-282</a>	Compact open-loop, modular, nanopositioning Piezo Stages.	XY, XYZ	30, 50, 100	-
	<a href="#">P-612.2</a>	Compact, low-cost, XY piezo stage. 100 x 100 µm travel, clear aperture.	XY	100 x 100	SGS

	<a href="#">P-611.1</a> <a href="#">P-611.2</a>	Compact, low-cost X and XY nanopositioning Piezo Stages.	X, XY	100	SGS
	<a href="#">P-611.ZS</a> <a href="#">P-611.XZS</a>	Compact, low-cost X and XY nanopositioning Piezo Stages.	Z, XZ	100	SGS
	<a href="#">P-611.3</a>	NanoCube® XYZ piezo alignment system, compact, very cost-effective.	XYZ	100	SGS
	<a href="#">P-620.2 -</a> <a href="#">P-629.2</a>	PIHera® XY piezo nanopositioners, Very compact & accurate (direct metrology), long travel range.	XY (Z, XYZ)	50, 100, 250, 500, 1000, 1800	Capacitive
<b>&gt;&gt; Multi-Axis Piezo Stages, Parallel Kinematics / Parallel Metrology</b> (Parallel kinematics and parallel metrology allow active trajectory control, better dynamics and higher multi-axis precision)					
Click Image for Data Sheet	<b>Models*</b>	<b>Description</b>	<b>Axes</b>	<b>Travel [µm]</b>	<b>Sensor</b>
	<a href="#">P-714</a>	Compact XY scanner, low profile 45 x 45 x 6 mm.	XY	15	SGS
	<a href="#">P-615</a>	NanoCube® 350C XYZ piezo alignment system, clear aperture, ideal for fiber alignment.	XYZ	to 350 / Axis	Capacitive
	<a href="#">P-363</a>	PicoCube® high-precision system for AFM, SPM, nanomanipulation; 50 picometer resolution.	XY, XYZ	5 / Axis	Capacitive
	<a href="#">P-541</a> <a href="#">P-542</a>	Low profile XY scanning piezostage 80 x 80 mm aperture.	XY	to 200 in XY	Capacitive
	<a href="#">P-733</a>	XY(Z) piezo scanning piezostage 50 x 50 mm aperture, vacuum versions available.	XY(Z)	100 x 100 (x 10)	Capacitive
	<a href="#">P-733.2DD /</a> <a href="#">P-733.3DD</a>	High-speed scanning piezostage, XY and XYZ versions, ideal for tasks like scanning microscopy.	XY, XYZ	30 x 30 (x10)	Capacitive
	<a href="#">P-734</a>	XY nanoscanning piezostage, extremely flat and straight (1 – 2 nm); 56 x 56 mm clear aperture..	XY	100 x 100	Capacitive
	<a href="#">P-770</a>	XY nanopositioning piezostage, 200 x 200 mm clear aperture.	XY	200 x 200	LVDT
	<a href="#">P-517 -</a> <a href="#">P-527</a>	Multi-axis piezostage 66 x 66 mm clear aperture, custom model with 6 degrees of freedom available.	XY, XYZ, XYθ <sub>z</sub>	to 200 in XY, 10 in Z, to 2 mrad	Capacitive
	<a href="#">P-561.3DD</a>	PIMars™ XYZ scanning Piezo Stages, faster, direct drive, excellent guidance, 66 x 66 mm clear aperture.	XY, XYZ	45 XY, 11 Z	Capacitive
	<a href="#">P-561 -</a> <a href="#">P-563</a>	PIMars™ multi-axis piezostage; travel range to 300 x 300 x 300 µm , 66 x 66 mm clear aperture, custom model with 6 degrees of freedom available.	XY, XYZ	to 300 x 300 x 300	Capacitive
	<a href="#">P-518 -</a> <a href="#">P-558</a>	Z-axis and tip/tilt piezostage platforms clear aperture	Z, θ <sub>x</sub> θ <sub>y</sub>	to 200 in Z, 4 mrad	Capacitive
	<a href="#">P-587</a>	6-axis-nanopositioning piezo stage.	XYZ, θ <sub>x</sub> θ <sub>y</sub> θ <sub>z</sub>	up to 800 / 10 mrad	Capacitive




<a href="#">&gt;&gt; Z-Axis and Tip/Tilt Platforms</a> <a href="#">&gt;&gt; For Fast Steering Platforms: click here</a>					
Click Image for Data Sheet	Models*	Description	Axes	Travel [ $\mu\text{m}$ ]	Sensor
	<a href="#">P-737</a>	PIFOC® Z-axis microscopy piezo stage for high-resolution sample positioning and scanning	Z	to 250 $\mu\text{m}$	SGS
	<a href="#">P-541.Z</a>	Low-profile Z- piezo stage, 80 x 80 mm aperture.	Z & Z, Tip/Tilt	100	Capacitive / SGS
	<a href="#">P-518 - P-558</a>	Z-axis and tip/tilt piezostage platforms 66 x 66 mm clear aperture	Z & Z, Tip/Tilt	to 200 in Z, 4 mrad	Capacitive
	<a href="#">P-732.ZC</a>	High-Dynamics Vertical Nanopositioning/Scanning piezo stage	Z	15	Capacitive
	<a href="#">P-612.Z</a>	Compact, Low-Cost, Z piezo stage	Z	100	SGS
	<a href="#">P-620.Z - P-622.Z</a>	PIHera® Z-axis nanopositioners, compact, very accurate, long travel range.	Z	50, 100, 250	Capacitive
	<a href="#">P-611.ZS, P-611.XZS</a>	Compact, low-cost Z and XY nanopositioning piezostage	Z, XZ	100	SGS
	<a href="#">P-783</a>	Nanopositioning Z- piezo stage. Long travel range, compact.	Z	300	LVDT
	<a href="#">P-601</a>	Closed-loop, with flexure guidance	Z	110, 300, 400	SGS
	<a href="#">P-290</a>	Nanopositioning Z- piezo stage, very long travel range, open-loop.	Z	1000	-
	<a href="#">P-287</a>	Z-axis and tip/tilt nanopositioning piezostage, long travel range, open-loop.	Z, $\theta_x$	700, 12 mrad	-
	<a href="#">M-714</a>	Hybrid Nanopositioning Z- piezo stage, ultra-long travel range, high load, DC-servo + piezo drives.	Z	7000	Glass scale

[>> For Tip/Tilt Mirror Platforms click here](#)



<a href="#">&gt;&gt; Scanning (Microscopy) Piezo-Stage Systems with Clear Aperture</a>					
Click Image for Data Sheet	Models*	Description	Axes	Travel [ $\mu\text{m}$ ]	Sensor
	<a href="#">P-725</a>	PIFOC® objective nanofocusing system, compact, light-weight, long travel ranges, QuickLock mounting system, direct metrology	Z	100, 250, 400	Capacitive
	<a href="#">P-721.CDQ P-721.LLQ</a>	PIFOC®. objective nanofocusing system, very fast and accurate, with QuickLock mounting system, direct metrology.	Z	100	Capacitive / LVDT

	<a href="#">P-737</a>	PIFOC® Z-axis microscopy piezo stage for high-resolution sample positioning and scanning	Z	to 250 µm	SGS
	<a href="#">P-732.ZC</a>	High-Dynamics Vertical Nanopositioning/Scanning Piezostage	Z	15	Capacitive
	<a href="#">P-612.Z</a>	Compact, Low-Cost, Z piezo stage	Z	100	SGS
	<a href="#">P-541.Z</a>	Low-profile Z- piezo stage, 80 x 80 mm aperture	Z & Z, Tip/Tilt	100	Capacitive / SGS
	<a href="#">P-518 - P-558</a>	Z-axis and tip/tilt platforms clear aperture, Tip/Tilt	Z & Z	to 200 in Z, 4 mrad	Capacitive
	<a href="#">P-714</a>	Ultracompact XY- scanner, fast	XY	15	SGS
	<a href="#">P-612.2</a>	Compact, low-cost, XY piezo stage. 100 x 100 µm travel, clear aperture.	XY	100 x 100	SGS
	<a href="#">P-541 P-542</a>	Low profile XY scanning piezo stage, 80 x 80 mm aperture, high-speed direct drive version available.	XY	to 200 in XY	Capacitive / SGS
	<a href="#">P-733</a>	XY(Z) piezo scanning piezostage, 50 x 50 mm aperture, vacuum versions available.	XY(Z)	100 x 100 (x 10)	Capacitive
	<a href="#">P-733.2DD. P-733.3DD</a>	High-speed scanning piezostage, XY and XYZ versions, ideal for tasks like scanning microscopy	XY, XYZ	30 x 30 (x10)	Capacitive
	<a href="#">P-734</a>	XY nanoscanning piezo stage, extremely flat and straight (1 – 2 nm); 56 x 56 mm clear aperture.	XY	100 x 100	Capacitive
	<a href="#">P-770</a>	XY nanopositioning piezostage. 200 x 200 mm clear aperture.	XY	200 x 200	LVDT
	<a href="#">P-517, P-527</a>	Multi-axis piezo stage 66 x 66 mm clear aperture, custom model with 6 degrees of freedom available.	XY, XYZ, XYθ <sub>2</sub>	to 200 in XY, 20 in Z, to 4 mrad	Capacitive
	<a href="#">P-561 - P-563</a>	PIMars™ multi-axis piezostage, travel range to 300 x 300 x 300 µm , 66 x 66 mm clear aperture, custom model with 6 degrees of freedom available	XY, XYZ	to 300 x 300 x 300	Capacitive

### >> NEXLINE® / NEXACT® Long Travel Nanopositioning / Picopositioning Drives

Click Image for Data Sheet	Models*	Description	Load Capacity [kg]	Travel [mm]	Drive
	<a href="#">N-111</a>	NEXLINE® PiezoWalk® nanopositioning drive, subnanometer resolution.	8	5	Piezo-Walk®
	<a href="#">N-214</a>	NEXLINE® PiezoWalk® high-load nanopositioning drive, subnanometer resolution.	60	20	Piezo-Walk®
	<a href="#">N-310</a>	NEXACT® Ultra-compact nanopositioning drive, subnanometer resolution.	1	20	Piezo-Walk®

**>> 6-Axis Parallel Kinematics Piezo Stages**

Click Image for Data Sheet	Models*	Description	Axes	Travel [ $\mu\text{m}$ ]	Sensor
	<a href="#">P-587</a>	6-axis-nanopositioning Piezostage	XYZ, $\theta_x\theta_y\theta_z$	up to 800 / 10 mrad	Capacitive
	<a href="#">P-911k</a>	NEXLINE® Piezo-Hexapod High-Load 6-Axis Nanopositioning System	XYZ, $\theta_x\theta_y\theta_z$	to 10 mm / 6 deg.	Linear Scale

[Further Information on 6-Axis Hexapod Systems](#)

\* Ask about custom sizes, sensors or special designs. Capacitive and LVDT sensors are direct metrology devices. Capacitive sensors provide the highest accuracy, bandwidth and linearity.

**>> [Download the Piezo-Stage Nanopositioning & Scanning Systems PDF Catalog](#)**

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