

Open- Frame Microscope Stage

LOW PROFILE, LOW DRIFT DESIGN, LONG TRAVEL RANGE



M-545

- + Stable platform for P-545 PI nano® piezo nan positioning systems
- + Low profile for easy integration: 30 mm
- + Travel range 25 mm × 25 mm
- + Micrometer screws, motor upgrade available
- + For inverted microscopes made by Nikon, Zeiss, Leica, and Olympus

Standard- Class, Manual XY Microscope Stage

Coarse adjustment for P-545 piezo nan positioning systems. Stiff design enables optimal scanning and settling behavior

Micrometer Screw or Optional Stepper Motor Drive

The stage can be supplemented with motorized actuators, controller and joystick (see accessories)

Field of Application

For inverted microscopes made by Nikon (TI), Zeiss (Axio Observer), Leica (DMI), and Olympus (IX2). Versions for other microscopes are available on request

Specifications

	M-545.2M	Units	Tolerance
Active axes	X, Y		
Motion and positioning			
Travel range	25 mm × 25 mm		
Min. incremental motion	1	µm	typ.
Min. incremental motion with M-229 stepper linear actuators	1	µm	typ.
Velocity with M-229 stepper linear actuators	1.5	mm/ s	max.
Mechanical properties			
Load	50	N	max.
Preloading	10	N	
Miscellaneous			
Material	Aluminum, stainless steel		
Mass	4	kg	±5 %

Ask about custom designs!

Order Information

M-545.2MO

XY Microscope Stage, 25 mm × 25 mm, Micrometer Drive, High Stability, Compatible with PI Piezo Stages, for Olympus Microscopes (IX2, IX3)

M-545.2MN

XY Microscope Stage, 25 mm × 25 mm, Micrometer Drive, High Stability, Compatible with PI Piezo Stages, for Nikon Microscopes (TI series)

M-545.2ML

XY Microscope Stage, 25 mm × 25 mm, Micrometer Drive, High Stability, Compatible with PI Piezo Stages, for Leica Microscopes (DMI series)

M-545.2MZ

XY Microscope Stage, 25 mm × 25 mm, Micrometer Drive, High Stability, Compatible with PI Piezo Stages, for Zeiss Microscopes (Axio Observer)

Possible accessories

M-545.SHP

Adapter Plate for Microscope Sample Holder for M-545 XY Microscope Stage

P-545.SH3

Microscope Slide Holder for PInano@Piezo Stages

P-545.PD3

35 mm Petri Dish Holder for PInano@Piezo Stages

P-545.PP3

Plain Plate for Accessories for PInano@Piezo Stages

P-733.AP1

Adapter Plate for Mounting of P-733 Piezo Stages on M-545 XY Microscope Stages

Additional accessories and custom designs on request.

Accessories

[M-545.SHP Adapter Plate](#)

[P-545.PD3 Petri Dish Holder](#)

[P-545.PP3 Plain Plate](#)

[P-545.SH3 Microscope Slide Holder](#)

[P-733.AP1 Adapter Plate](#)

Related Products

[M-228 • M-229 High- Resolution Linear Actuator with Stepper Motor](#)

[P-517 • P-527 Multi- Axis Piezo Scanner](#)

[P-518 • P-528 • P-558 Piezo Z / Tip / Tilt Stage](#)

[P-541.2 • P-542.2 XY Piezo Stage](#)

[P-561 • P-562 • P-563 PIMars Nanopositioning Stage](#)

[P-545.xC7 PInano@ Cap XY\(Z\) Piezo System](#)

[P-545.xD7 PInano@ Trak Piezo Tracking System](#)

[P-733.2 • P-733.3 XY\(Z\) Piezo Nanopositioning Stage](#)

