

NPS-Z-90Q

Super-heavy objective positioner

The NPS-Z-90Q has been designed to allow high-dynamic positioning of large objectives and optics with masses of up to 8 kg.

The stage has an aperture of >100 mm and a travel range of 100 μm . It can be configured purely as a Z position or as a 3-axis Z/tip/tilt system to allow active alignment of the payload.

The stage is capable of step-settle times of ≤ 10 ms with maximum load over a 1 μm step making the stage ideal for objective or other optic application in semiconductor manufacture, test and inspection, and large-scale scientific projects.



Key Features

- Travel range:
 - Z up to 100 μm
 - Tip/tilt up to 0.4 mrad
- >100 mm clear aperture
- Load capacity 8 kg
- Materials: stainless steel and titanium
- Size: $\varnothing 165 \times 70$ mm
- Fast step-settle: <10 ms for a 1 μm (± 40 nm)

Ordering Information

The NPS-Z-90Q is not available for general sale. Please contact your local Prior Scientific office or distributor if you would like to discuss requirements for a similar positioning system.

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