

PR150 Worm Gear Driven Rotary Stage



The PR150 is a worm gear driven rotary stage with a NEMA23 motor mount. Position information is by motor count, or a motor mounted rotary encoder. A high load capacity, good stiffness, and precise rotation are obtained through the use of a large, circular crossed roller bearing. Custom configurations are available such motor mounts for 5 phase stepper motors.

Specifications	
Load Capacity	25 kg
Stage Weight	4 kg
Accuracy	$\pm 0.045^\circ$
Bi-Directional Repeatability	$\pm 0.030^\circ$
Concentricity of Rotation	$\pm 6.0\mu\text{m}$
Concentricity of Center Bore/Hub	$\pm 8.0\mu\text{m}$
Flatness of Rotation (TIR) at 75mm Radius	$\pm 5.0\mu\text{m}$
Standard Worm Gear Ratio	45:1
Home	Optical Switch

