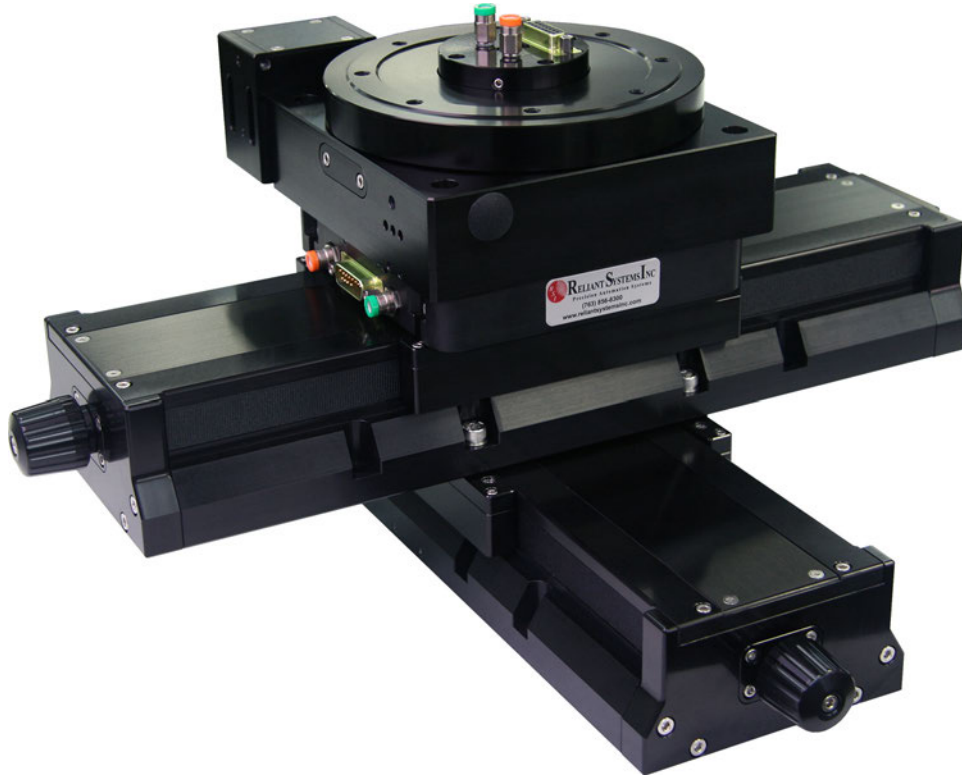


XY Θ 150 Stage



The XY Θ 150 stage was originally developed for a high output medical device manufacturing company. This stage assembly consists of an XY base made from our LSN series linear stages and a Theta axis made from our PR150 worm gear driven rotary stage. The Theta has an integrated slip ring which allows for cables and connections to be routed through the center aperture.

Specifications		
	XY Axis	Θ Axis
Travel	150mm x 150mm	350° (354° Hard Stops)
Drive Type	5mm Ball Screw Lead	45:1 Worm Gear
Linear Accuracy	$\pm 8.0\mu\text{m}$	NA
Bidirectional Repeatability	$\pm 1.0\mu\text{m}$	$\pm 0.030^\circ$
Straightness of Travel	$\pm 2.0\mu\text{m}$	NA
Flatness of Travel	$\pm 2.0\mu\text{m}$	NA
Positional Accuracy	NA	$\pm 0.045^\circ$
Radial Error (Eccentricity)	NA	$\pm 2.0\mu\text{m}$
Tilt Error (wobble)	NA	± 14.0 arc-sec