

ROTARY OPTION ART50

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The Leader in 3D Laser Scanning Since 1987



ART50 Rotary Stage Option

- *Automates scanning and stitching processes*
- *Ideal for scanning small, lightweight parts*
- *Integrated with Surveyor RE-Series scanning systems*

The ART50 rotary stage is a compact, automated-scanning solution that is designed for small and lightweight parts. The ART50 rotary stage is the perfect option for use with our Surveyor RE-Series 3D scanners. This rotary stage is ideal for use with small plastic parts, medical applications such as hearing aid or ear impressions, along with such academic applications as small fossils and teeth.

Featuring a one-year parts and labor warranty, the ART50 precision rotary stage is a high accuracy, yet economical choice for automated scanning of small parts with the Surveyor RE-Series system.

ART50 Rotary Stage Specifications

Design Details

Base Material	Anodized aluminum alloy
Bearings	Pre-loaded angular contact bearings
Drive Mechanism	Precision worm gear
Gear Ratio	180:1
Feedback	Worm mounted rotary encoder, 4,000 pts/rev., index pulse
Origin	Optical
Motor	Stepper
Cable	3 ft long cable included
Weight [lb (kg)]	1.6 (.7)
Stage Size [mm (in)]	50 (2)

Specifications

Travel Range	360° continuous
Resolution	0.005°
Uni-directional Repeatability	0.0035°
Origin Repeatability	0.001°
Absolute Accuracy	0.06°
Maximum Speed	30°/s
Normal Load Capacity (kg)	5
Torque Rating (kg m)	.036
Wobble (arc sec)	50