

MODEL 1502B-32 TWO-AXIS MANUAL POSITIONING TABLE



STANDARD FEATURES

- Manually-operated horizontal tilt and azimuth axis
- Position Accuracy: ± 6 arc minutes
- Position Repeatability: ± 30 arc sec
- 32-inch table top
- Manual shot pins for locking table into position

DESCRIPTION

The Model 1502B-32 Manual Positioning Table is designed to provide precise position for the development and/or production testing of navigation sensor systems. The 1502B-32 system may be integrated with a customer developed test station and it may be used to test single or multiple test articles at any given time.

System Physical Configuration	
Overall Table Dimensions, in (mm)	50W x 32D x45.4H (1270 x 813 x 1153)
Approximate Table Weight, lb (kg)	645 (293)
Table Characteristics:	
• Axis Arrangement	Two Axis, Manual
• Payload Capacity, lb (kg)	150 Lbs. (68) Centered
• Table Top Diameter, in (mm)	32 (812)
• Surface Flatness	.003 inch TIR
• Material	Aluminum, Anodized
• Hole Pattern	Nine (9) 5/16-24 Tapped Holes
• Surface Finish	32 RMS
• Axis Lock	Manual Shot Pin
• Height of Tabletop, inches (mm)	31.4 (798)
Leveling:	
• Range	±1 Degree

Performance Specifications		
Rotational Freedom (standard)*	Inner Axis	Outer Axis
	Unlimited	Unlimited
Position		
• Range, deg	45 deg intervals	90 deg intervals Optional: 45 or 30° intervals
• Accuracy, arc min	± 6	± 6
• Repeatability, arc sec	± 30	± 30
Mechanical Alignment Specifications		
• Axis Wobble, arc min	± 1.2	± 1.2
• Orthogonality between consecutive axes, arc min	± 1.2	
Operating Environment		
• Temperature	50 to 95° F (10 to 35° C)	
• Relative Humidity	20% to 85% non-condensing	
• Type	Laboratory/Controlled Environment	

For special requirements or custom specifications, contact Ideal Aerosmith. Specifications subject to change without notice. Please call for pricing.

Rev B3