MODEL 1502B-32
TWO-AXIS MANUAL POSITIONING TABLE

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

<table>
<thead>
<tr>
<th>Overall Table Dimensions, in (mm)</th>
<th>50W x 32D x45.4H (1270 x 813 x 1153)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Approximate Table Weight, lb (kg)</td>
<td>645 (293)</td>
</tr>
</tbody>
</table>

### 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

<table>
<thead>
<tr>
<th>Rotational Freedom (standard)*</th>
<th>Inner Axis</th>
<th>Outer Axis</th>
</tr>
</thead>
<tbody>
<tr>
<td>Position</td>
<td></td>
<td></td>
</tr>
<tr>
<td>- Range, deg</td>
<td>45 deg intervals</td>
<td>90 deg intervals</td>
</tr>
<tr>
<td>- Accuracy, arc min</td>
<td>± 6</td>
<td>± 6</td>
</tr>
<tr>
<td>- Repeatability, arc sec</td>
<td>± 30</td>
<td>± 30</td>
</tr>
</tbody>
</table>

### Mechanical Alignment Specifications
- **Axis Wobble, arc min**: ± 1.2
- **Orthogonality between consecutive axes, arc min**: ± 1.2

### Operating Environment
- **Temperature**: 50 to 95º F (10 to 35º C)
- **Relative Humidity**: 20% to 85% non-condensing
- **Type**: Laboratory/Controlled Environment

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For special requirements or custom specifications, contact Ideal Aerosmith. Specifications subject to change without notice. Please call for pricing.  
Rev B2