

SCANNING ACCESSORIES

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Rotary Sine Plate

- **Compatible with RV-120 rotary stage**
- **Allows angling of rotary stage**
- **Gage block option for fixed angles**
- **Sturdy design for repeatable results**



The Rotary Sine Plate is a precision manufactured fixture for mounting the RV-120 rotary stage. The Sine Plate is made of hardened steel and includes two self-storing locking straps for locking the Sine Plate into position. The Sine Plate's design allows you to incline the upper plate to positions between 0° to 60°. If you desire to set the Sine Plate to a specific angle, you can use gage blocks to set the height of the plate.

The RV-120 rotary Stage mounts to the Sine Plate via an interface plate, that bolts directly to the Sine Plate's 1/4" 20 surface plate mounting holes. For common scanning applications using the Flip Fixture, set the Sine Plate to near 30° with the rotary attached. If you need to scan the part at more than one Sine Plate angle, simply use Surveyor Scan Control's Rotary Calibration and Ball Matching Wizards to bring the data sets together from various positions.

Specifications

Weight 15 lbs (6.8 Kg)
Size (at 0°) 6"x6"x2"
Mounting holes 21 1/4" 20 thd thru
Travel 0° to 60°

Sine Table

| Gage Block Size (in) | Angle |
|----------------------|-------|
| 1 | 11.5° |
| 2 | 23.5° |
| 2.5 | 30° |
| 3 | 36.9° |
| 3.5 | 44.4° |
| 4 | 53° |

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