SCANNING ACCESSORIES

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The Leader in 3D Laser Scanning Since 1987

Vertical Orientation Alignment Gages

These alignment gages minimize alignment time by allowing probe alignments to be completed in two scan passes instead of the typical eighteen to thirty-two scan passes required with a standard alignment ball. Three sizes of gages are available so that every model of RPS laser probe can be aligned using these alignment gages.

These gages can be used on any system so long as the laser is pointing straight in the vertical position and not positioned at an angle. Because of the minimum number of scan passes, they are ideal for use on manual scanning systems such as the DM-1620 and the CMM Laser Probe kit.

Calibration Sphere

These calibration spheres are the standard method for alignment of the laser probe in any orientation as well as for calibration of any rotary stage. Each tooling ball is precision ground and then coated with a Teflon coating to provide a laser-friendly surface finish that can be easily scanned.

The ½" diameter sphere is used for calibrating both the rotary stage and aligning the RPS-450 probe. The ¼" diameter sphere is used for aligning the RPS-120 and RPS-150 probes.

The alignment Wizard in Surveyor Scan Control automates the scanning of the Calibration Sphere and the calculation of the laser alignment.

Accuracy Gage for Surveyor AM-66RR

This precision manufactured gage allows you to verify the accuracy of your Surveyor AM-66RR scanning system. After laser scanning the gage, simply compare the actual scan data to the CAD drawings (using standard inspection software such as Geomagic Qualify) to verify that your system is functioning within specifications.

DataSculpt Alignment Gage

This precision manufactured gage allows customers using DataSculpt software to mechanically align their RPS laser probes.

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