

SCANNING ACCESSORIES

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The Leader in 3D Laser Scanning Since 1987

Universal Fixture



The Universal Fixture provides an easy to use platform for scanning small to mid size parts on most Surveyor Scanning Systems. The fixture consists of a modular fixture frame that can be assembled in various configurations to accommodate many different part sizes. This frame attaches to the two fixture towers, allowing the operator to position the part in virtually any position for scanning.

The 1 inch reference spheres on the fixture frame are used not only for connecting the fixture to the towers, but also for combining scan data from multiple orientations together. When coupled with Surveyor Scan Control software, the operator can scan the spheres when scanning the part in each fixture orientation, then use Surveyor Scan Control's proprietary Ball Matching Wizard to combine the data into a single coordinate system.

Specifications:

Frame Construction:

- (2) 5" Legs
- (2) 7" Legs
- (2) 10.75" Legs
- Legs with 1/4" 20 counter sunk thru holes on 1" centers
- Legs with 0.1" thru hole on 1" centers with associated set screws
- (4) 0.1" dowel rods for mounting
- (4) 1" tooling balls on shafts with 1/4" 20 mounting bolts

Tower Construction:

- (2) 5" Bases with leveling feet
- (7) Assorted risers with set screws
- (1) Magnetic 3 ball nest
- (1) V-block nest with dowel pin clamp
- (2) Tower Clamps with leveling feet and clamping bolts

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