

Target Features and Specifications

T-261 Applications and Specifications

Applications for the T-261 4-Axis Target include:

- Aerospace Tooling/Fixturing
- Boring Mill Spindle-to-Part Alignment
- Printing Press Side Frames
- Pumps, Compressors, Blowers
- Rotary Dial Machine Spindle Alignment
- Spindle Alignment
- Transfer Center Spindle Alignment
- Transfer Line Spindle Alignment

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|----------------------------|--|--|---|
| Size | (See drawing) | Target Cell Concentricity | ±.0005 in. to mounting stud of target |
| Mounting Dimensions | .4995 in. (12.687 mm) diameter concentric mounting stud, replaceable | Lens Axis Squareness | ±.0005 in/ft (.043 mm/m) to rear of target |
| Weight | 14 oz. (400 g) | Resolution (with R-358 Interface) | .00001 in. (0.00025 mm) Center .00001 in/ft (0.0008 mm/m) Angular |
| Material | Mounting Stud: 440C Stainless Rockwell RC54-58 hardness Case: Aluminum | Measurement Range | ±.050 in. (1.27 mm) Center ±0.5 degrees Angle |
| Cable | Length: 10 feet (3.05 m) Connector: 15-pin D Connector | Linearity | Within ± .025 in. (0.64 mm): linearity is <1% Outside ± .025 in. (0.64 mm): linearity is <5% |

T-212 Applications and Specifications

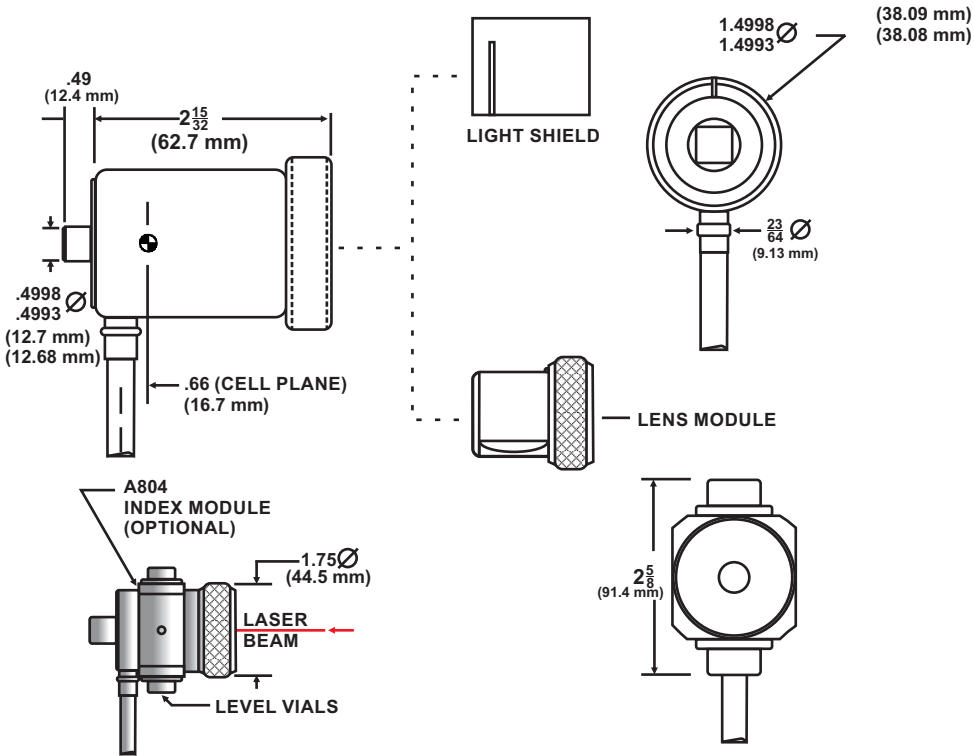
Applications for the T-212 4-Axis Target include:

- Bar Feeders
- Boring Bar Bearings
- Lathe Alignment
- Printing Press Side Frames
- Rotary Dial Machines
- Transfer line spindle alignment
- Vertical/Horizontal Machining Centers

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|---|--|-------------------------------------|---|
| Weight | 14 oz. (400 g) | Repeatability of Lens System | ±.0001 in/in (0.1 mm/m) |
| Material Hardness | 400C stainless Rockwell RC55-60 | Measurement Range | ±.150 in. (3.8 mm) in both axes |
| Target Cell Concentricity | .0005 in/in (0.5 mm/m) T.I.R to stud of target | Linearity | Within ± .025 in. (0.64 mm): linearity is <1% Outside ± .025 in. (0.64 mm): linearity is |
| Lens Axis Squareness | .0005 in/in (0.5 mm/m) T.I.R. to face of target | Cord Dimensions | Target to connector 10 ft. (3 m) |
| Resolution (with R-1307 Readout) | Center: .00004 in. (0.001 mm) .00002 in. (0.0005 mm with Bore9/Lathe9 Angular: .00004 in./in. (0.04 mm/m) .00002 in./in. (0.02 mm/m with Bore9/Lathe9 | Mounting Dimensions | 1.500 in. (38.1 mm) O.D. with .500 in. (12.7 mm) diameter concentric mounting stud |

Target Drawings

T-212 Four-Axis Target



T-261 Four-Axis Target

