Hamar Laser: The Technology Makes it Better.

Now more affordable, with even greater resolution!

See us at IMTS Expo Booth #4519

New for IMTS

- Smaller, lighter more affordable lasers
- Greater resolutions
- Advanced wireless technology
- High-powered data analysis software

Increase productivity, improve part quality and minimize downtime with machine tool alignment systems from Hamar Laser.

Lasers

- **L-732 Dual Scan.** 50% smaller, lighter, and priced 50% less than the L-722. Flatness of 1/2 arcsec (.00003" per foot) and squareness of 1 arcsec. Operating range of 100'. Built-in 1 arcsec level vials.
- **L-733 Triple Scan.** 50% smaller, lighter, and priced 30% less than the L-723. Flatness of 1/2 arcsec (.00003" per foot) and squareness of 1 arcsec. 100' operating range. Built-in 1 arcsec level vials.

Targets

- **A-1519 Wireless Single-Axis.** Hamar's new standard scan target featuring 1" measuring range and .0005" resolution. 80' wireless range with direct line of sight.
- **A-1520 Wireless Single-Axis.** Our highest accuracy target with .00002" resolution (.00004" accuracy) and 10 mm measuring range. 80' wireless range with direct line of sight.

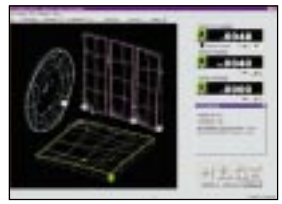
- **A-1531, A-1532, A-1533 Medium Resolution.** Excellent low-cost options. Built-in readouts, 2" to 3" measuring range, electronic zero and lithium-ion, rechargeable battery (9-hour life). Resolutions of .002", .005" or .010". Works well with any automatically rotating laser plane.

Levels

- **A-700 Electronic Level.** Brand new from Hamar, the A-700 offers electronic level accuracy, but at a lower mechanical level cost. 1 arcsec accuracy with digital, bubble-scanning technology that makes it both rugged and very stable.

Software

- **Plane5.** Our new Windows ME-based software for analyzing machine tool geometry. Measures and analyzes squares, frames, circles, flanges and up to 5 ways. Reports include 3-D graph showing flatness, high and low points, slope of the best-fit plane, squareness and parallelism to other measured surfaces. Graphs can be zoomed and rotated.



Readouts & Interfaces

- **R-1309.** Our newest readout uses a Cassiopeia™ to display up to four targets simultaneously using a wireless IR receiver. It can show the difference between two targets, which is very useful for setting up the laser and for roll alignment. It can also store data points for off-site analysis and display dimensions when used with the A-1519 in Height Gage mode.
- **R-358 & R-359.** Our new high-accuracy computer interfaces are 1/4 the size with 5x higher resolution than the R-355 they replace. Light weight and powered by lithium ion rechargeable batteries.

HAMAR LASER®

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