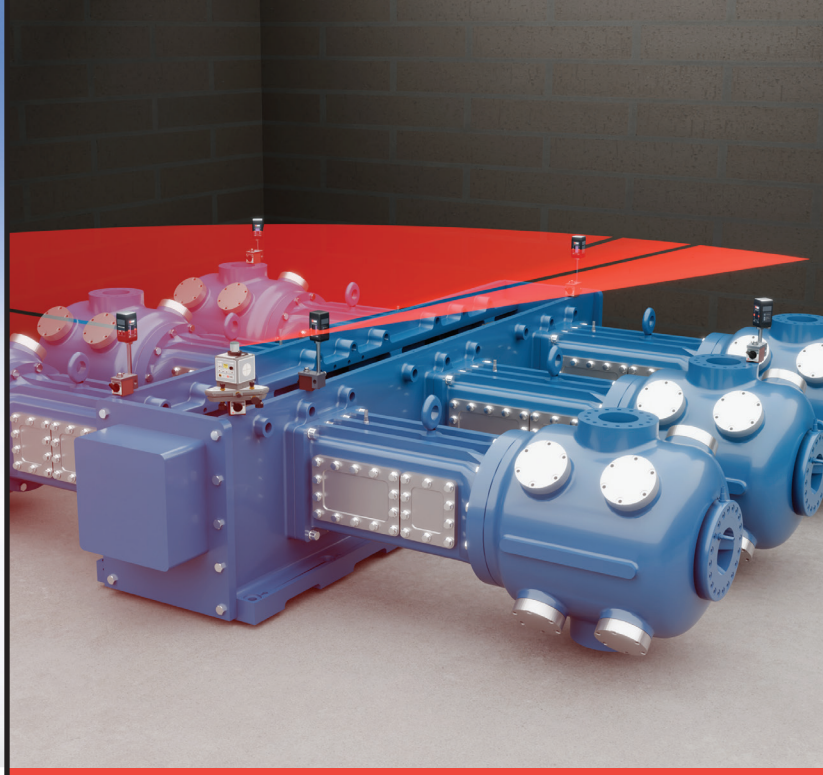

HAMAR LASER®
ALIGN WITH THE BEST

MADE IN AMERICA
OF DOMESTIC & IMPORTED PARTS



**Check flatness and leveling on machinery with an auto-rotating laser plane**

# L-730 / L-740 Flatness & Leveling Laser System

## Fast setups

- Up to 70% faster than optics/levels
- Real-time wireless updates
- Take data in about 3 seconds per point

## Auto-rotating laser plane

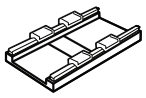
- Eliminates rotating laser head by hand
- Greatly reduces laser setup times
- 100 ft (30 m) radius operation

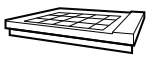
## Choose your accuracy

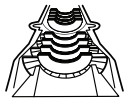
- L-740: .00003 in/ft. (0.0025 mm/m)
- L-730: .00012 in/ft. (0.01 mm/m)
- Target resolution: .00001 in. (0.00025 mm)

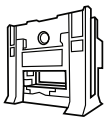
## Report-ready results

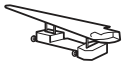
- Plane5 analysis + email PDF reports
- Export to Excel for further analysis
- Runs on Windows®


Machine guideways

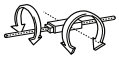

Machine tables

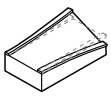

Turbine half joints

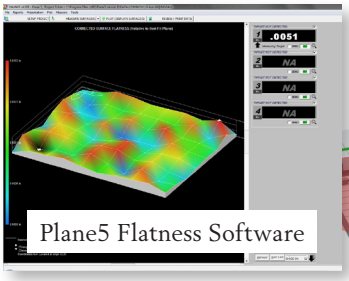

Press platens


Large fixtures

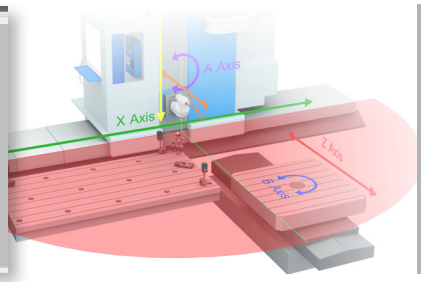

Flanges


Pitch/roll angular checks


Parallelism/ twist/ pitch-roll



Plane5 Flatness Software




**Scan to view flatness and leveling applications and request a demo.**

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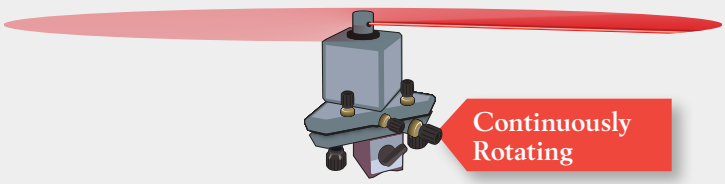
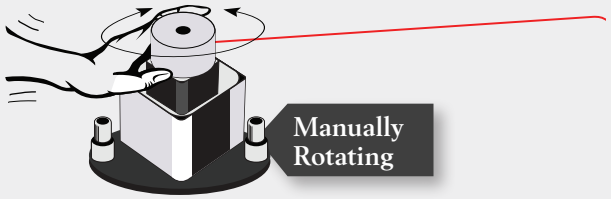
# How it works: Taking a data point

Auto-Rotate vs. Point-and-Shoot




| | Hamar Laser L-730/L-740 | European Laser Systems |
|---|---|---|
| 1 | Place the target on the measurement point. | Place the target on the measurement point. |
| 2 | Record first data point with PDA or software.* | Walk to the laser and rotate the laser head to the target. |
| 3 | No walking; you're done! | Use fine rotation adjustment to bring the laser beam within ±0.01 in. on the H axis. |
| 4 | Move target to next point. | Walk back to the target. |
| 5 | Record next data point. | Record first data point.** |

** Each point takes about 2–4 seconds.*

*** Each point takes 30–150 seconds.*

# Hamar Laser Auto-Rotating Lasers vs European Competition

| | Hamar Laser L-730<br>Precision Leveling Laser | Hamar Laser L-740<br>Ultra Precision Leveling Laser | European Manufacturer Laser #1 | European Manufacturer Laser #2 |
|---|---|---|---|---|
| Auto-Rotating Laser | Yes, up to 450 RPM | Yes, up to 450 RPM | No, requires manual rotation | No, requires manual rotation |
| Laser Setup | Very fast | Very fast | Slow, with lots of back and forth walking! | Slow, with lots of back and forth walking! |
| Sensor Resolution | .00002 in. (0.00051 mm) | .00001 in. (0.00025 mm) | .00004 in. (0.00102 mm) | .00004 in. (0.00102 mm) |
| Sensor Measuring Range | ±14 mm | ±14 mm | ±10 mm | ±10 mm |
| Laser Plane Flatness (Accuracy) | .00012 in/ft. (0.010 mm/m) | .00003 in/ft. (0.0025 mm/m) | .00024 in/ft. (0.0200 mm/m) | .00007 in/ft. (0.0058 mm/m) |
| Accuracy of Levels | .00018 in/ft. (0.0150 mm/m) | .00006 in/ft. (0.0050 mm/m) | .0005 in/ft. (0.0417 mm/m) | .00024 in/ft. (0.0200 mm/m) |
| Use Multiple Targets | Yes, displays up to 5 | Yes, displays up to 5 | No, only 1 | No, only 1 |
| Data Display | PDA, Readout, Windows® Software | PDA, Readout, Windows® Software | Proprietary data display only | Proprietary data display only |
| Price Ratio | 0.8 | 1.0 | 1.5 | 2.0 |

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