

Low Cost, High Precision XYθ Alignment Stages from OES

Fri, 11/14/2014 - 9:48am by PD&D Staff

Optimal Engineering Systems' (OES) (Van Nuys, CA) low profile, XYθ (theta) stages are designed for high precision alignment applications. The stages move in an XY-plane and rotate around the center of the XY-plane. The terms alignment table, or XY-rotation stage are often used interchangeably with XYθ, or XY-theta stage. Features include:



Low Cost, High Precision XYθ Alignment Stages from OES

- Availability in 12 models and in 2 precision grades.
- Linear travels from +/- 2 mm x +/- 2 mm, up to +/- 30 mm x +/- 30 mm.
- Typical Normal Repeated Positioning Accuracy from +/- 1.75 μm to +/- 2.5 μm.
- Typical Precision Repeated Positioning Accuracy from +/- 0.7 μm to +/- 1.0 μm.
- A parallelism as low as 30 μm.
- The ability to handle dynamic loads up to 600 kg (1,323 lbs) with the larger stages.
- Treated surfaces to ensure durability.

For more information, visit www.oesincorp.com.