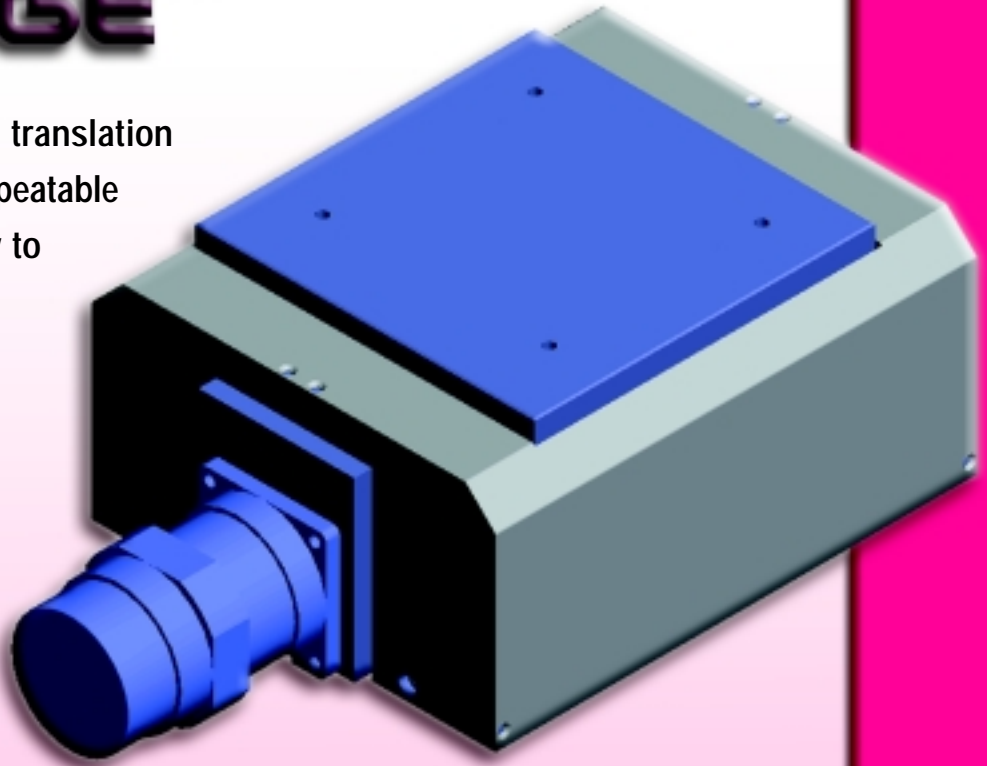


*Motion Solutions
for High Precision Applications*

Z-WEDGE™

The Z-Wedge™ vertical translation stage provides accurate & repeatable vertical motion with the ability to support & move heavy loads. It is designed to be easily integrated into multi-axis assemblies with JMAR Precision Systems' advanced Rapidline™ linear motor stages.



Applications

- Wafer Probing
- Wafer Inspection
- Film Thickness Metrology
- Bio-Chip Manufacturing
- FT-IR Spectroscopy
- BGA Inspection
- Integrated Circuit Manufacturing
- Probe Card Testing

Benefits

- Small Footprint
- High Speed
- High Force & Load Capacity
- Excellent Accuracy & Repeatability

Standard Features

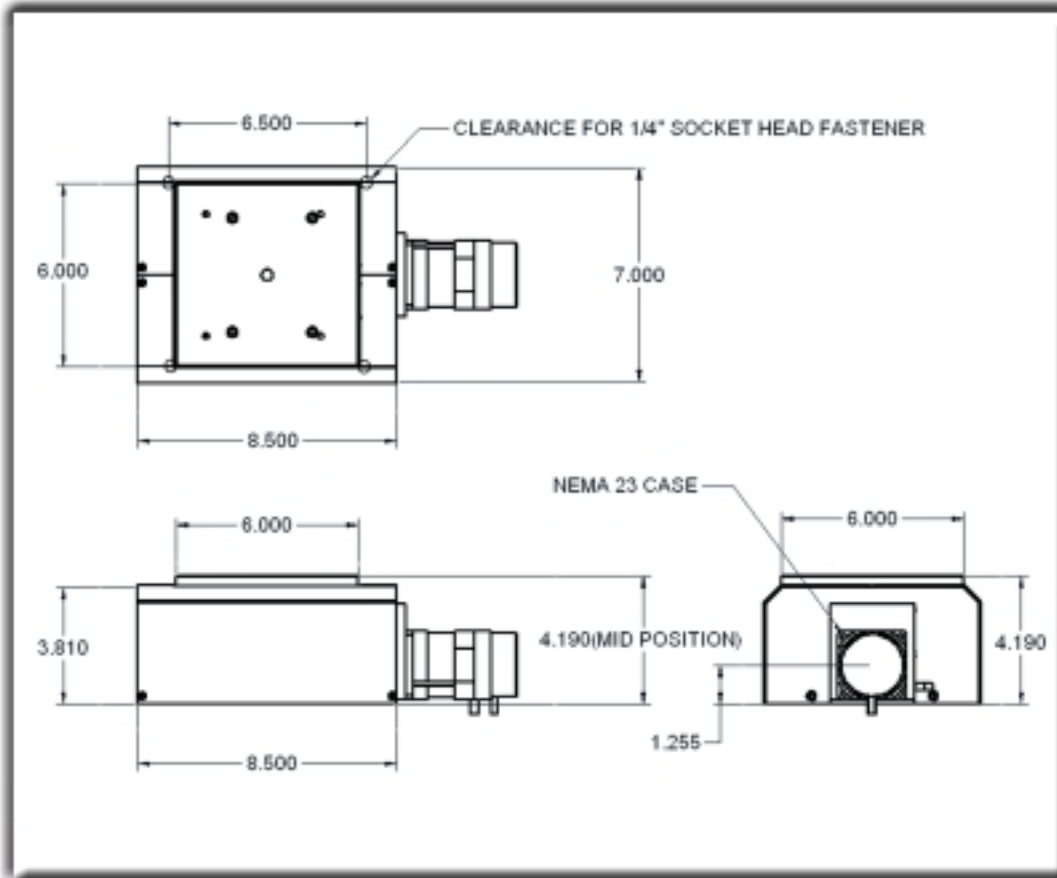
- High Resolution Linear Encoder
- Truck & Rail Recirculating Bearings
- Precision Ball-Screw Drive



ISO 9001 Certified
www.jmar-psi.com

**Z-Wedge & Rapidline are trademarks of JMAR Precision Systems*

Mounting Dimensions



Specifications

Configurations

Travel: 0.50"
 Resolution: 0.1mm standard
 (0.2mm, 0.5mm, 1mm available)
 Overtravel: 0.025" at each end

Performance Specifications

Straightness: +/-1mm (X or Y)
 Linear Accuracy: <1mm (with 0.1mm encoder)
 Ballscrew Lead: up to 2.5mm
 Ballscrew Diameter: 10mm
 Wedge Ratio: 2:1 (horizontal : vertical)
 Maximum Velocity: 2" per second
 Load Capacity: 100 lb.

**JMAR Precision Systems
Main Office**
 9207 Eton Avenue
 Chatsworth, CA 91311
 (800) 793-0179 or
 (818) 700-8977
 (818) 700-8984 (fax)
 salesjpsi@jmar.com (e-mail)
 www.jmar-psi.com (web address)

Contact JMAR Precision Systems
Main Office for International
locations and phone numbers.

U.S. Regional Sales Offices:

Midwest
 Minneapolis, Minnesota
 (800) 793-0179

Northwest
 Portland, Oregon
 (800) 793-0179

Southeast
 Tampa, Florida
 (800) 793-0179

Southwest
 Dallas, Texas
 (800) 793-0179

**U.S. Regional Technical Office
East Coast**
 Westborough, Massachusetts
 (508) 303-6558
 (508) 303-6568 (fax)

West Coast
 San Jose, California
 (510) 413-1050
 (510) 413-1053 (fax)

Specifications subject to change without notice