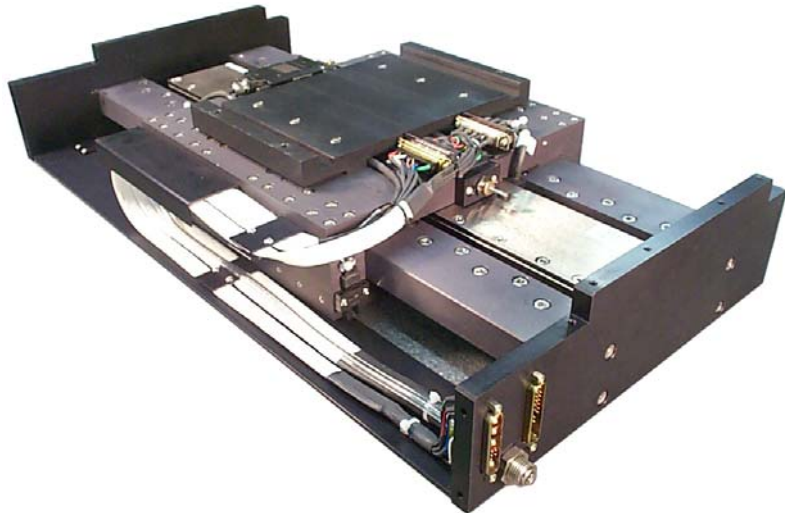


CLAB1012 Linear Air Bearing Box Slide

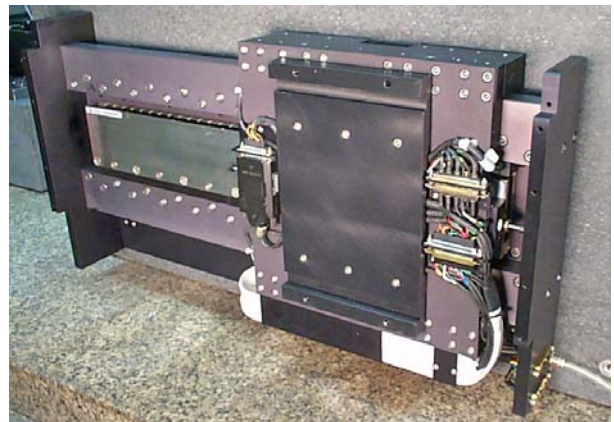
Ultra-precision, high stiffness motorized linear air bearing stages



ABTech, Inc. offers these CLAB series ultra-precision constrained box way linear air bearing slides. Ideal for constant velocity, smooth motion, and high precision applications. Constructed of hardcoated stress relieved aluminum. Can be used in horizontal or vertical orientation or stacked for X-Y configurations. Available with digital drive amplifiers, motion controllers, or complete turn key custom engineered solutions.

Features and highlights

- Linear motor drive (ironless core for minimal torque ripple)
- Low air consumption; 1.5 scfm
- High accuracy linear glass scale for position feed back
- Pitch and Yaw less than 2.5 arcsec over 10" travel
- Straightness and Flatness less than 30 μ " over 10" travel
- Travels from 2" to 48"
- Vertical load capacity: 150 lbs
- Horizontal load capacity: 75 lbs
- Vertical stiffness: 600,000 lbs/in
- Horizontal stiffness: 400,000 lbs/in
- Maximum velocity: 1 m/sec
- Peak force: 152 lbs
- Cont. stall force: 48 lbs
- Available in hardened stainless steel or nickel plated cast iron



Vertical mounting

Phone: 603-358-6431

Fax: 603-358-0196

www.abtechmfg.com

ABTech inc.
Pride In Precision