

Air Bearing Rotary Stage

Air bearing rotary stages are precision motion devices utilizing a thin air film for support and rotation. This design ensures smooth, accurate, and repeatable motion by eliminating friction and wear.



Overview

Precision Rotary Motion

Air bearing rotary stages are advanced motion devices designed for transporting precision equipment that requires high stability and minimal vibration. By utilizing a thin film of air for support, these stages eliminate friction and wear to ensure smooth, accurate, and repeatable rotation. They are engineered to handle heavy loads while maintaining balance, making them ideal for high-precision applications like metrology and semiconductor manufacturing.

Performance Specifications

Load Capacity Range

10 tons

Minimum Capacity

48 tons

Maximum Standard Capacity

Customization

Yes

Technical Features

Control Console

- Included as standard
- 4-button or 6-button configuration

Key Operational Benefits

Low Friction, High Stability, Vibration Reduction, In-place Rotation, Heavy Load Capacity