

Air Bearing Movers for Precision Instruments

Air bearing movers facilitate the movement of heavy and delicate equipment. These movers utilize compressed air to create a thin layer of air, allowing near-frictionless movement.



Product Overview

Precision Air Bearing Movement System

These air bearing movers are engineered for the safe and precise relocation of heavy, delicate equipment in sensitive environments. By utilizing compressed air to create a near-frictionless film, the system allows operators to push, rotate, and position massive loads in any direction with minimal physical thrust. This solution is ideal for cleanrooms, factories, and facilities where traditional wheel-based casters are unsuitable or could damage the floor surface.

Technical Specifications

Movement Technology	Compressed air film flotation
Key Operational Benefits	Near-frictionless movement, Omnidirectional maneuvering, Low thrust requirement, Precision positioning

System Components

Included Components

- Multiple air bearing modules
- Air supply hoses
- Pressure control unit

Control Capabilities

Independent module control • Regulated air flow • Adjustable air pressure

Performance Metrics

Load Capacity

1 tons+
Capacity