

Air Bearing Cargo Transport System

Air bearing systems are designed for moving heavy loads across smooth surfaces using compressed air. This creates a nearly frictionless layer, enabling smooth and precise movement of heavy machinery and equipment.



ADDITIONAL IMAGES



Overview

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This air bearing cargo transport system provides a versatile, near-frictionless method for moving heavy or delicate loads across smooth surfaces. Utilizing compressed air to create a thin film between the load and the floor, the system enables smooth, omni-directional movement ideal for industrial environments. The modular design allows for rapid setup in under 10 minutes and can be customized to accommodate various load requirements.

Performance Specifications

Load Capacity Range

10 tons

Minimum Capacity

48 tons

Maximum Capacity

Setup Time

Less than 10 minutes

Movement Capabilities

Omni-directional, Smooth movement, Near-frictionless

System Components

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- Air bearing modules with flexible diaphragms
- Central control unit
- Connecting hoses
- External air compressor (required)

Configuration Options

Modular Design • Customizable Capacity • Round shapes • Rectangular shapes

Applications

Suitable Environments

- Manufacturing facilities
- Aerospace industry
- Cleanroom environments
- General industrial sites