

Air Bearing Load Moving System

Air bearing load movers are designed for moving heavy loads with ease and precision. These systems utilize compressed air to create a thin film of air between the load and the floor, effectively eliminating friction and allowing for smooth, omnidirectional movement.



Overview

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The air bearing load moving system provides an optimal, safe, and ergonomic solution for transporting heavy-duty objects. By utilizing pneumatic modules that create a thin film of air between the floor and the load, these systems eliminate friction for nearly effortless, omnidirectional movement. Ideal for industrial settings, warehouses, and cleanrooms, this system allows for precise positioning of heavy loads with minimal force.

Technical Specifications

System Components

- Air bearing modules
- Control unit with pressure regulators
- Pressure gauges
- Pneumatic hoses

Movement Capability

Omnidirectional, Friction-free, Low-force operation

Operating Principle

Controlled compressed air leak creating a thin air film

Key Features

Performance Metrics

1 Near-zero

Friction Level

Ideal Environments

Manufacturing Plants • Warehouses • Cleanrooms