

Air Bearing Load Moving System

Air bearing systems are well-suited for moving precision instruments and large printing equipment in cleanroom environments. These load moving devices utilize a thin film of air to float heavy loads, allowing for minimal effort and preventing floor damage.



Overview

Air Bearing Load Moving System

This air bearing load moving system is designed to move heavy-duty loads flexibly and cost-effectively. By utilizing a thin film of air to support the load, the system virtually eliminates friction, requiring only one-tenth of the force typically needed for wheel-based transport. This method ensures efficient movement while protecting floor surfaces from damage.

Technical Specifications

Friction Reduction

10 x

Force Reduction Factor

Typical Usage

- Used in pairs
- Sets of four or more
- Controlled via manifold

Key Features

Floor Protection • Minimal Effort • Omnidirectional Movement

Operational Method

Thin film air flotation