

Air Caster Load Moving System

Air casters utilize a thin layer of air to float and move heavy loads across smooth surfaces. The system allows for omnidirectional movement of heavy equipment with minimal effort and is ideal for manufacturing, aerospace, and cleanroom environments.



Product Overview

Air Caster Load Moving System

The air caster load moving system utilizes advanced pneumatic technology to float and move heavy equipment across smooth surfaces with near-frictionless ease. By building up air pressure in a gas chamber, the system forms a thin air film that allows operators to push, rotate, and position massive loads in any direction using minimal thrust. It is an ideal solution for precision handling in demanding manufacturing, aerospace, and cleanroom environments.

Technical Specifications

Included Components

- Air bearing modules
- Inflatable air bags
- Control unit with valves
- Compressed air connection hoses

Movement Features

Omnidirectional • Low-friction • High-precision positioning • Minimal thrust required

Operating Requirements

Compressed air source required, Smooth surface area, Pneumatic pressure regulation