

# Air Powered Load Moving System

Air casters, also known as air bearings or air skates, utilize a thin film of air to enable frictionless movement. The system includes a control unit that regulates airflow to each caster for precise positioning of heavy objects.



## Product Overview

### Air Powered Load Moving System

This air-powered load moving system utilizes advanced air bearing technology to facilitate the frictionless, omnidirectional transfer of heavy equipment. By creating a thin film of air, the system protects delicate flooring from damage and shields sensitive equipment from vibrations during transport. Designed for precision and ease of operation, it serves as an environmentally friendly, pollution-free solution for moving heavy loads in clean room environments and industrial settings.

## Technical Specifications

### Load Capacity Range

**10 tons**

Minimum Capacity

**48 tons**

Maximum Capacity

### Operating Principle

Pneumatic air film transport

### Environmental Impact

Eco-friendly, No pollution, Low compressed air consumption

## Key Features

### Core Benefits

- Floor protection
- Vibration reduction
- Omnidirectional movement
- Compact and simple structure
- Precision positioning

### Ideal Applications

Clean room moving • Heavy equipment transport • Precision positioning