

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

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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