

Air Rigging System for Material Handling

Air rigging systems use compressed air to lift and move heavy loads. The systems are used in manufacturing, warehousing, and other industrial settings.



ADDITIONAL IMAGES



Overview

Advanced Air-Film Material Handling

This air rigging system utilizes controlled air-leak technology to create a thin, frictionless film of air, enabling the effortless movement of heavy-duty loads. Designed for industrial environments, it allows operators to maneuver massive objects with minimal physical force while maintaining high safety standards. It serves as an ideal solution for applications where traditional lifting equipment is impractical, such as in cleanrooms or areas with restricted headroom.

Technical Principles

Operating Principle	Air-film flotation via controlled air leak
Friction Level	Extremely low friction

System Components

Included Components

- Air bearings
- Air hoses
- Control unit

System Layout

Component	Function
Main Input	Power and air supply distribution
Air Skates	Individual load-bearing points

Applications

Ideal Use Cases	Manufacturing, Warehousing, Cleanrooms, Heavy-duty load transport, Sensitive equipment handling
-----------------	---