

Air Bearing Casters for Precision Equipment

Air bearing casters facilitate the movement of heavy loads with precision and minimal friction. These casters use compressed air to create a thin air layer, enabling nearly frictionless movement ideal for cleanrooms and manufacturing.



ADDITIONAL IMAGES



Overview

Precision Air Bearing System

These air bearing casters are specialized handling tools designed to transport heavy machinery with exceptional stability and balance. By utilizing a thin layer of compressed air, the system creates a nearly frictionless environment, allowing for effortless movement of sensitive and heavy loads. This technology is ideal for cleanroom environments, aerospace manufacturing, and any application requiring precise positioning with minimal vibration.

Technical Features

System Components

- Multiple air bearing modules
- Control unit with pressure gauges
- Air hoses for connection
- Rigid mounting platform

Movement Mechanism

Compressed air flotation (frictionless)

Key Benefits

Friction-free movement, Minimal vibration, Precise positioning, Floor protection, High maneuverability

Construction & Materials

Platform Construction

Durable steel or aluminum

Bearing Material

Flexible inflatable material

Applications

Suitable Industries

Cleanroom • Aerospace • Manufacturing • Precision Instrument Handling