

INDUSTRY

Cleanroom
Semiconductor



Move cleanroom machinery up to 17 tons without contamination or floor damage

Innovative load moving systems for cleanrooms harness the power of compressed air to distribute loads up to 17 tons without damage to floors. Air caster systems are a proven method to precisely move cleanroom equipment in confined spaces. AeroGo cleanroom systems are thoroughly cleaned, specially fastened and packaged to meet the requirements of the cleanroom industry.

Prevent Damage to Cleanroom Access Floors. Aero-Casters effectively distribute cleanroom tools' weight across a raised or floating floor, avoiding risk of floor tile failure and eliminating the possibility of shutdown due to damage to cleanroom machinery.

Specifically Manufactured for Cleanroom Use. AeroGo cleanroom systems are specially prepped during the manufacturing and assembly process to prevent the introduction of contaminants or debris. Each system is tested and purged with pure nitrogen prior to shipment. Regulators

are oil and grease free and cleanroom compatible fittings and hoses are used wherever possible.

Emission-Free. Air casters utilize compressed air. AeroGo cleanroom systems have been tested by numerous customers over the past few decades and have been proven to introduce zero contaminations when used with a clean air source.

Custom Finishes. Application-specific finishes such as stainless steel, powder coating, anodized, etc. are available.

Gapmaster Aero-Casters. Gapmasters provides the capability to cross gaps and small steps on overlays, reducing vibration or jarring caused by conventional wheels. The increased friction of a Gapmaster is an advantage for machine control during positioning. Plus, the 15psi rating on Gapmaster reduces the load on raised floor panels.

Application:

Move a variety of processing equipment inside a cleanroom on a repetitive basis.

AeroGo Advantages:

- Flexible: Air Caster Rigging Systems can be configured to fit a variety of load weights and shapes, including uneven loads
- Easy to Implement: lightweight components are easy to handle and place; intuitive operation; manual included
- Low profile: less than 2.5" high; slides easily under machinery, tooling, skids, and pallets



Application:

Reposition delicate 24,000 lb. processing unit

AeroGo Advantages:

- Superior repositioning: Power drive precisely positions and easily moves machinery with a single operator
- Safe: An operator with a spotter can safely position a delicate oversize load



Application:

Move a wafer prober with chiller unit with an uneven load of 4,800 lbs. up to 40 feet, four times per day over VCT flooring

AeroGo Advantages:

- Eliminates uneven load concerns: Gapmaster Aero-Casters lift and move equipment on a cushion of air, easily compensating for uneven, out of balance, delicate or awkward loads
- No floor damage: weight is distributed evenly regardless of the type of floor
- Reliable: no moving parts, nothing to maintain; low maintenance
- One person easily moves the load safely

