

INDUSTRY

Modular Homes Containers



Structural assembly made easier and ergonomic by harnessing the power of air

AeroGo® innovative load moving systems utilize air casters to float temporary structures, factory built homes, modular structures, containers, explosion-proof buildings and commercial buildings on a thin film compressed air. This technology provides an ultra-low friction, omnidirectional alternative to wheels, tracks or rails typically used in manufacturing. Air caster-based systems have proven to be an effective method for manufacturers to move structures through assembly lines with ease and efficiency while eliminating first-in and first-out requirements.

Low Profile. Less than 3" high; reduces assembly floor height. Vertical lift from 3/4" to 1-3/4", depending on the system desired.

Low Friction. Moving force is as low as 2 lbs. per 1,000 lbs. of load, whether moving in a straight path or turning.

Eliminate Fixed Travel Paths. Aero-Casters require no hardware or rails, ensuring a free flow of movement in all directions.

Adaptable. The 4 and 6 load module systems easily adapt to any load configuration. Even unbalanced and irregular loads can be managed by appropriate placement of Aero-Casters.

Economical. No moving parts means near zero maintenance costs. And, compared to traditional material handling systems, load module systems incur lower initial costs, lower operating costs and increased productivity.

Prevent Damage to Floors. Aero-Casters effectively distribute heavy load weight across the floor. They will not create pits, scrapes or damage. No in-floor hardware required.

Omnidirectional. Move and precisely position the load in any direction without repositioning the Aero-Caster load moving equipment. Unlike wheel caster systems, no additional force is required when you change direction during a move. Once the load floats, it moves in all directions, safely and easily.

Self-Lifting. Slide the Load Modules under your equipment, turn on your factory compressed air, and the equipment is lifted.

Landing Pads. Provide a firm base when air caster is deflated.

Ergonomic. Reduces worker fatigue and back strain.

Application:

Move modular sections through manufacturing steps

AeroGo Advantages:

- Flexible: Air Caster Rigging System can flex to handle very short and very long modules and any variety of weight
- Customizable: Brackets for base structure, risers, chocks, jacks or stops are available
- Ergonomic: Move entire modules easily with very few personnel
- Safe: Zero emissions; inherently explosion proof



Application:

Move containers through the assembly process

AeroGo Advantages:

- Clean: Air casters generate zero emissions
- Fast: Single operators can easily move up to 5,000 lbs; a team can move entire 53' containers in a matter of minutes
- Safe: Low profile means the load weight is kept low to the ground
- No LIFO or FIFO: Containers can move in and off the line at any time



Application:

Move containers on a repetitive basis

AeroGo Advantages:

- Adaptable: move path can vary and change based on inventory
- Takes advantage of all available space: Air caster moving equipment fits underneath and around installed crane or rail equipment
- Special flooring not required: Air caster equipment operates on most sealed concrete floors
- Easily move multi-ton loads, 3 times per day



Application:

Explosion proof portables

AeroGo Advantages:

- Increase production: reduce queue and transfer times
- Maximize floor space and flexibility: eliminate fixed paths
- Reduce manpower: low push force requires fewer people

