

OMNIWHEEL

Heavy Duty and Lightweight Multi-directional Wheels For Conveyors, Manual and Powered Transfer Systems, and non-Powered and Powered Robot Wheels

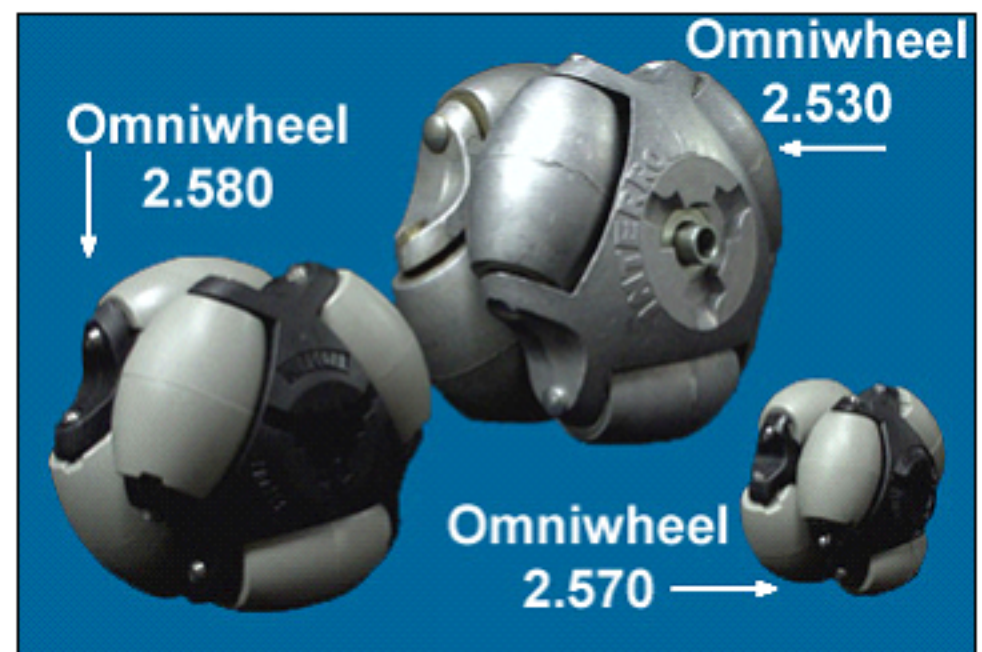
Unique Design

The omnidirectional movement of the Omniwheel comes from its unique design. The unique Omniwheels design is based upon the use of a series of free turning barrel-shaped rollers, which are mounted, in a staggered pattern around the periphery of a larger diameter main wheel. The combination of these two rolling elements provides a compact and inexpensive unit for moving heavy loads in any direction along a plane, doing so smoothly and with minimum effort. Unlike competitive transfer devices (ball transfers, swivel casters, etc.)

Applications

The omnidirectional 2530 series Omniwheels are well suited for use in heavy-duty manual or powered transfer systems.

The omnidirectional 2570 and 2580 series Omniwheels are plastic, corrosion resistant and well suited for application where dirt, dust and moisture may be present.



Omniwheels are designed to work in pairs. The 2530 series bodies are made out of aluminum, while the 2570 and 2580 bodies and barrels are made from plastic.

Omniwheels are used as omnidirectional robot wheels or powered bidirectional robot wheels.

Ordering Note:

Two Omniwheels must be used together to provide support over 360° of rotation. Please order accordingly.