

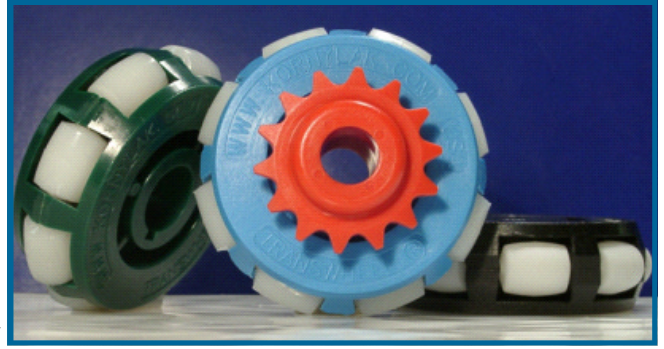
TRANSWHEEL

Unique Design

The Transwheel's unique design contains eight free-turning rollers perpendicular to the axle arranged around the Transwheel periphery. This distinct design combined with the rotation of the wheel body provides the ability to move loads in any direction without "freezing." Its enclosed, light-weight body is self cleaning and keeps out foreign material.

Corrosion-Resistant Structure

Transwheels are constructed with a standard ABS body, Nylon rollers, a Polyethylene center axle, Delrin sprockets, and stainless steel roller axles with low friction coatings. The combination of these materials creates a corrosion-resistant wheel that allows steam cleaning, water immersion, and outdoor use. Self-lubricating properties eliminate the need for oil or grease.



Sizes

Transwheels are available with a 2" or 4" outer diameter. The Series 2000 Transwheels have a 2" outer diameter and a 25 pound/wheel load rating. The Series 4000 Transwheels have a 4" outer diameter and a 100 pound/wheel load rating. Center bore diameters vary according to the particular Transwheel model.

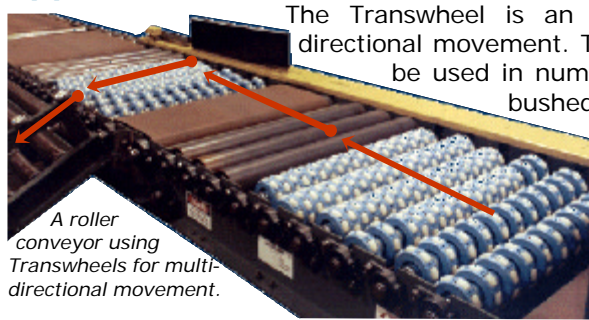
Styles

The Transwheel is available in a variety of styles for standard and special applications.

- Standard Transwheel Models: Plain Bore, Bushed, Axled, Keyway, Sprocketed, Multiple Row, and Hex Bore.
- Transwheel Assemblies: Idler Transrail and Transection.

In addition, Kornylak will design and furnish special Transwheels and Transwheel Assemblies to suit your specific needs.

Applications



A roller conveyor using Transwheels for multi-directional movement.

The Transwheel is an indispensable component for any application that requires multi-directional movement. The Transwheel's unique features create an all-purpose wheel that can be used in numerous industries ranging from **material handling** to **robotics**. The bushed Transwheel has the same basic dimensions as a standard skatewheel, and can easily convert any section conveyor into a multi-directional "ball table" or work station using the same axle rods and spacers. The keyway and the sprocket models allow the Transwheel to be used as a powered conveyor wheel. The Cat-Trak Transwheels offer resilient, non-marring surfaces for use with robots, and by glass and window manufacturers. The Transwheel's exceptional light weight is an important advantage for portable or aircraft equipment.

Other applications include: conveyor discharge or loading stations, packaging tables, appliance casters, transfers between angled conveyors, powered turns and powered multi-directional tables.

Options

Cat-Trak Transwheel: The Cat-Trak Transwheel has been specially designed with traction in mind when power is applied. The Cat-Trak Transwheel has the ability to provide the ultimate in gripping power to operate on slick surfaces. Unlike the standard Transwheel rollers that are made from nylon, the Cat-Trak Transwheels are produced with either **Synthetic Rubber Coated Polypropylene Rollers** or **Polyurethane Rollers**. The Cat-Trak Transwheels are highly popular for use with robots, glass and window manufacturers, and in other similar circumstances where wheels need traction to grip the surface. The Polyurethane Rollers provide a stronger gripping force than the Rubber Coated Rollers; however both wheels provide remarkable traction. The Series 4000 Transwheels are available with both types of Cat-Trak rollers, and the Series 2000 Transwheels are available only with the Synthetic Rubber Coated Polypropylene Rollers.

High-Impact Plastic: Transwheels are also available in a high-impact plastic that provides resistance to extreme vibration. These Transwheels are ideal for 90 degree transfers using gravity or power, and are widely used by automotive tire manufacturers for conveying and in-process storage of rubber ply stock.



A specially designed Transwheel Assembly with 4" Double Row Transwheels.