



## SIMPLE, QUIET 30-DEGREE DIVERTING

XenoROL wheel diverter easily diverts product at a 30-degree angle from the main line with two rows of powered wheels that raise pneumatically between the rollers.

The diverter is driven by the main conveyor line-shaft so no additional motors are required. MHS Conveyor wheel diverters are a reliable and inexpensive sortation solution for low to moderate rates.

The wheel diverter is designed for low-maintenance, and simple, trouble-free performance. Very short stroke air actuation of the diverter assembly minimizes the necessary gaps between products and increases the cycle rates.

The diverter is available both as a separate assembly that can be added to any XR40 line-shaft conveyor or it can be purchased as a complete unit, already assembled into a conveyor section, including the 30-degree powered spur. Coated rollers in the spur are driven from the main conveyor line-shaft using universal joints and jump chains.

XenoROL configurations operate at a lower decibel level than conventional conveyors since there are fewer drives and moving parts. The equipment is shipped fully assembled so installation time is substantially reduced.

## STANDARD SPECIFICATIONS

### Widths

Beds are available in 16", 22", 28", and 34" BF only

### Depth

Total depth at the divert is 18-5/8".

### Rollers

1.9" O.D. 16 ga. plated shell with ABEC-1 precision bearing and 7/16" hex spring loaded axle. All rollers are mounted high in 4.5 channels on 3" centers only. Rollers factory installed on all spurs and through 22" BF for abutting beds.

### Divert Wheels

2-1/2" Diameter black polyurethane casting with precision bearings. 3/8" above abutting bed rollers when raised. Wheels are slave driven by auxiliary shaft mounted low in divert frame.

### Air Cylinder

3" bore x 3/4" stroke, double acting cylinder with flow controls. Recommended air pressure: 40-50 PSI.

### Drive Belts

3/16" diameter high drive urethane. 100% Spare drive belts are factory secured on the Line-shaft for all beds.

### Line-shaft Assembly

1" diameter TG & P cold rolled steel, drive spools, coupler sprockets and chain coupling. Self-aligning, double set screw line-shaft bearings greased for life

### Connecting Power

There is a jump belt power connection linking the line-shafts on both sides of the abutting bed as well as the constant velocity u-joint connection to the spur. Both are completely installed in the factory.

### Maximum Product Loading

50 lbs. /ft. or 75 lbs. per product.

### Maximum Speed

The maximum speed for XR40 is 150 FPM

### Speed

Divert wheels and spur line are designed to operate 1.3 times faster than main line. Maximum cycle rate is 60 cases per minute.

### Orientation

Right hand and left hand flow is standard.

### Paint

Components located within the framework are painted black. All other components are painted job color. All MHS Conveyor paint is powder coated.



Wheel diverters transfer bar coded cartons to a powered take-away spur at rates up to 60 products per minute.

Features	Benefits
Main conveyor drives divert wheels	Energy efficient, quiet, lower operating cost
Slippable pulleys drive divert wheels	Safe operation
No complex mechanisms or linkage	Ease of maintenance
Spur can be slave-driven from main line	Minimum power consumption, best value
Two rows of high-friction divert wheels	Reliability of divert, maintains product orientation
Modularity of divert mechanism	Allows easy re-configuration of system

## ABOUT MHS CONVEYOR

MHS Conveyor is a leading worldwide supplier of dynamic, high-quality automated conveyor and sortation technologies used to transport a wide variety of products. MHS Conveyor manufactures high-quality equipment, sold through a partner network of factory-authorized distributors as part of complete, integrated logistics solutions engineered to meet the needs of each customer.

### MHS Conveyor Corporation

1300 E. Mt. Garfield Road  
 Norton Shores, MI 49441  
 231.798.4547

[mhs-conveyor.com](http://mhs-conveyor.com)

