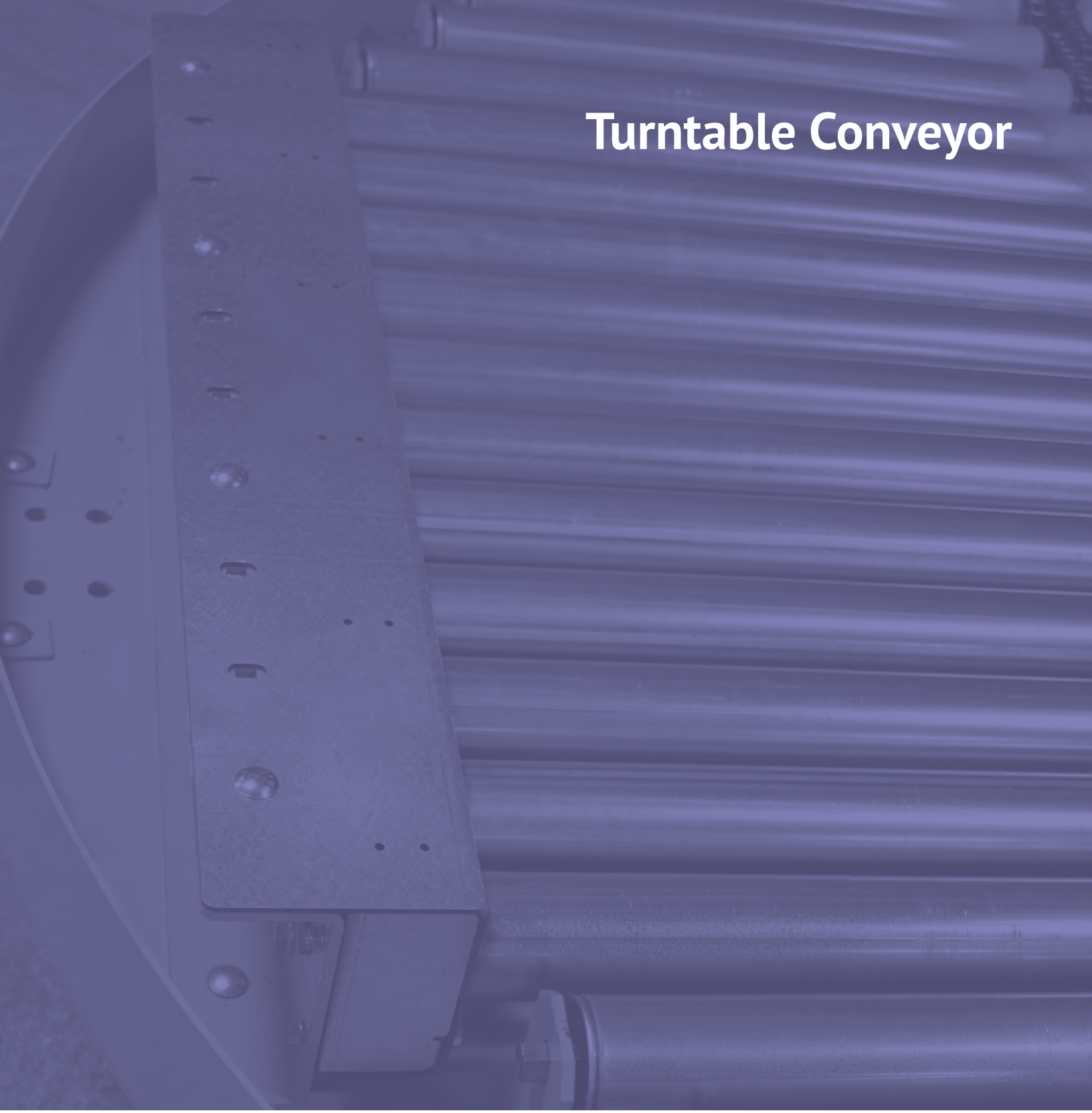


Turntable Conveyor

INDUSTRIAL KINETICS, INC.

Engineered Conveyor Solutions

Turntable Conveyor

Key Benefits

- Rotates loads where conveyor lines change direction or intersect.
- Maintains load orientation in relationship to the conveyor.

Features

- Choice of Conveyor Tops
- Reversible Drives
- ¾" Thick Deck, 4 Gauge Formed Steel Conveyor Frame
- Heavy Duty Slewing Ring Bearing

Standard Specifications

CDLR Conveyor Top
Rollers - 2-1/2" diameter x 11-gauge mild steel tube, 11/16" pin or spring retained hex axle. 2-5/8" diameter mild steel tube, 11/16" pin or spring retained hex axle. With ABEC precision bearings.
Frame - Rollers mounted in 6" x 4 gauge painted formed steel channel on side opposite chain guard and 6" x 4-gauge painted form steel channel on chain guard side. Note: 3" roller center rollers mounted in 6" channel side
Multi-strand Chain Conveyor Top
Chain - RC60 or RC80 Flat Side Chain
Frame - Formed steel 4-gauge; UHMW chain wear strip. Heavy duty idler sprocket with 1" bore precision bearing - snap ring retained sprocket.

Effective Widths - 52-1/4"
Diameter - 72" w/CDLR or Chain Deck, 60" w/Chain Deck
Drive Style - *Rotation* - Motor with Gear Reducer or Air Cylinder | *Deck* - Shaft Mounted Motor and Reducer
Rotation Speed - 4.5 RPM
Bearings - ABEC-1 bearings with 11/16" steel hex axle
Motors - *Rotation* - 1/2 HP | *Deck* - 1 or 2 HP 230/460V - 3 Ph. 60 Hz. (VFD Rated Motors)
Turntable Plate - 3/4" thick steel
Floor Supports - Adjustable steel supports
Minimum Standard Height (From top of floor to top of conveyor surface) - 18" (Consult I.K. for lower heights)
Maximum Weight Capacity - 4,000lb

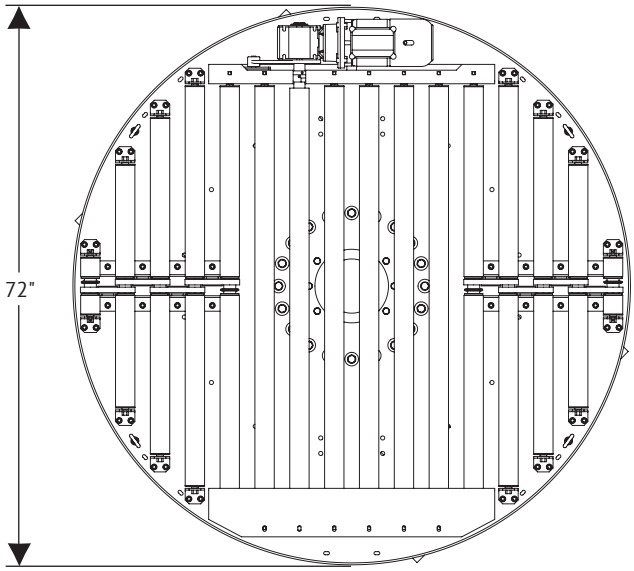
Optional Equipment and Accessories

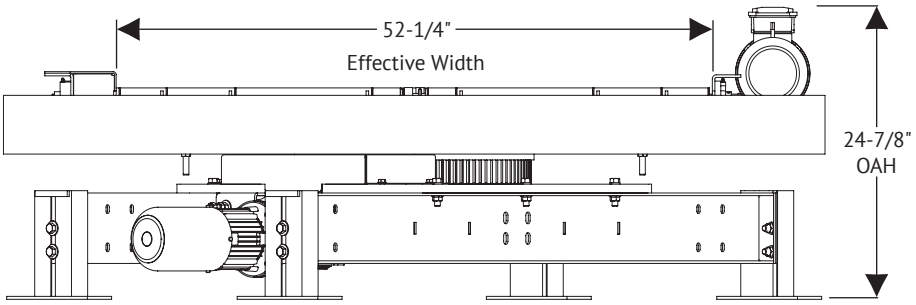
Rotation Drives
90 Degree Reciprocating Air Cylinder Driven
Up to 360 Degree Reciprocating Rotation
Motor Driven
360 + Degree Rotation with Motor Drive & Collector Ring
CDLR Conveyor Top
Rollers - 2-1/2" roller is available in pre-galvanized finished with clear top coat. 2-5/8" 7-gauge plain steel rollers are available for applications that benefit from use of a thicker wall roller. 2-5/8" diameter roller is available zinc plated.
Optional Roller Centers - Roller centers of 3", 4-1/2", or 6".
Axle - 11/16" zinc plated hex axle
Multi-strand Chain Conveyor Top
CRS Steel chain wear strip – Allows higher load capacity.

Transition Rollers - Guides loads on and off turntable.
Emergency Stop - Switch to cut the power to the conveyor in the event of an emergency.
Adjustable Guides - Used to center load on turntable.
Product Detection Sensors - Set of 2 to 4 photoeyes to detect when a load is correctly positioned on the turntable.
Wiring to Junction Box - Wiring of sensors to junction box.
Local Motor Disconnects - Switches with lockout capability.
Photo Eye Positioning Array - positions conveyor in 90° increments.
Motor Mounted Encoder for Positioning - Tracks positioning
Collector Ring - for electrification with full revolutions.

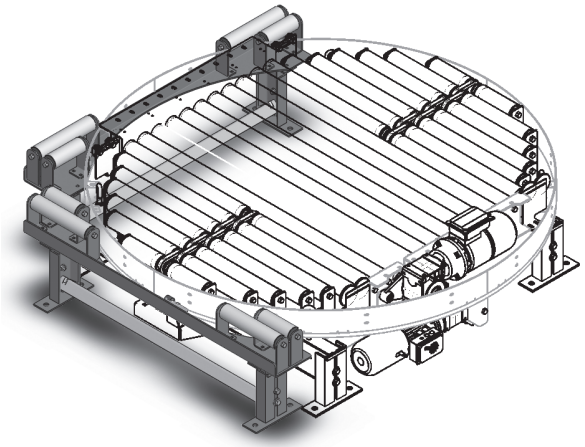
Specifications subject to change without notice.

Standard Conveyor Dimensions





		Roller Centers		
Chain Type		3"	4.5"	6"
	RC40	X		
	RC60		X	X



Optional transition rollers. shown in the illustration, guides loads on and off the turntable.

Additional Standard Conveying Systems

Chain Driven Live Roller Conveyor (CDLR)

Chain Conveyor

Custom Conveyor Systems

- Roller Conveyors
- Drag Chain Conveyors
- Belt Conveyors
- Overhead Conveyors
- Transfer Cars
- Vertical Reciprocating Conveyors
- Turntables
- Shuttle Conveyors
- Coding Conveyors
- Pallet Dispensers/Collectors
- Pallet Inserters/Double Stackers
- Chain Transfer Conveyors
- Accumulation Conveyors
- Assembly Conveyors
- Slat Conveyors

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