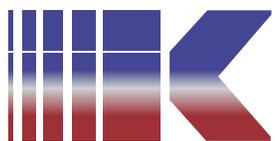


Chain Conveyor



INDUSTRIAL KINETICS, INC.

Engineered Conveyor Solutions

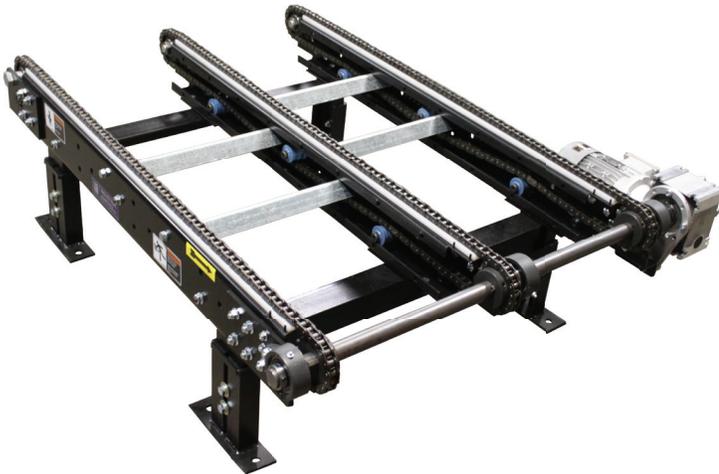
Chain Conveyor

Key Benefits

- Efficiently moves loads that can't be conveyed on rollers.
- With fewer moving parts, chain conveyors are ideal for extreme environments.

Features

- Choice of Drive Types
- Heavy Duty Flat Link Chain Conveying Surface
- 4 Gauge Formed Steel Conveyor Frame
- Chain Guided on UHMW or Steel Track



Standard Specifications

Chain - Flat link 60 or 80 chain

Chain Centers - 8" - 60"

Strands - 2, 3, 4, or 5

Track - Chain guided on UHMW track

Length - 2' - 100'

Motor - 3/4 HP through 10 HP. Standard voltages include 230/3/60, 460/3/60 and 575/3/60. Other voltages are available, contact factory for more information.

Drive - End drive, shaft-mounted or center drive.

Speed - 35 to 60 FPM (see chart for details)

Bearings - Mounted bearings are sealed, self-aligning, pre-lubricated, flange mounted.

Floor Supports - Adjustable steel supports

Take-Up - Center or end take-ups

Maximum Weight Capacity - 6,000 lb

Optional Equipment and Accessories

Strands - Three or more strands for supporting loads being conveyed.

Side Guides - Ensures the load is properly placed and conveyed on the conveying surface. Side guides include fixed angle side guides, adjustable side guides with integrated empty pallet pin stops, and pallet loading guides with flare top.

Pin Stops - Air actuated to stop and position empty pallets.

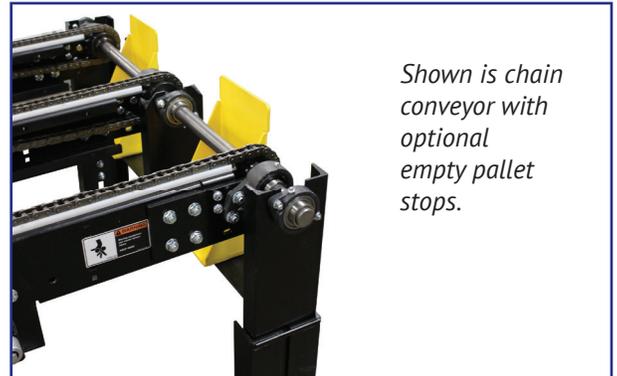
Full Pallet Blade Stops - Air-actuated to stop product being conveyed.

Stainless steel or pre-galvanized steel frames - Corrosion resistance to extend the life of the conveyor in harsh operating environments.

Nickle plated or stainless steel chain - Corrosion resistance to extend the life of the conveyor in harsh operating environments.



Shown is chain conveyor with optional pre-galvanized frame and side guides.



Shown is chain conveyor with optional empty pallet stops.

Load and Horsepower Specifications

Chain conveyor horsepower requirements with 1.1 safety factor. Clean and lubricated for conveyor lengths 5' to 20'													
	Load Weight Each	5' Long One at Listed Load Weight			10' Long Two at Listed Load Weight			15' Long Four at Listed Load Weight			20' Long Six at Listed Load Weight		
		35 FPM	45 FPM	60 FPM	35 FPM	45 FPM	60 FPM	35 FPM	45 FPM	60 FPM	35 FPM	45 FPM	60 FPM
Plastic wear strip - Sliding friction	1000	1	1	1	1	1	1 1/2	1 1/2	1 1/2	2	1 1/2	2	3
Plastic wear strip - Sliding friction	2000	1	1	1 1/2	1 1/2	2	3	1 1/2	2	3	2	3	5
Plastic wear strip - Sliding friction	3000	1 1/2	1 1/2	2	1 1/2	2	3	3	3	5	3	5	7 1/2
Plastic wear strip - Sliding friction	4000	1 1/2	2	2	2	3	5	3	5	7 1/2	5	7 1/2	7 1/2
Steel wearbar - Rolling friction	1000	1	1	1	1	1	1	1	1	1	1	1	1
Steel wearbar - Rolling friction	2000	1	1	1	1	1	1	1	1 1/2	1 1/2	1 1/2	1 1/2	2
Steel wearbar - Rolling friction	3000	1	1	1	1	1 1/2	1 1/2	1 1/2	2	3	2	3	3
Steel wearbar - Rolling friction	4000	1	1	1	1 1/2	1 1/2	2	1 1/2	3	3	2	3	3

*Blue boxes indicate the use of helical-bevel gear drives with higher efficiencies. This is necessitated by the high torque outputs required to drive the conveyor.

Chain conveyor horsepower requirements with 1.1 safety factor. Clean and lubricated for conveyor lengths 25' to 40'													
	Load Weight Each	25' Long One at Listed Load Weight			30' Long Two at Listed Load Weight			35' Long Four at Listed Load Weight			40' Long Six at Listed Load Weight		
		35 FPM	45 FPM	60 FPM	35 FPM	45 FPM	60 FPM	35 FPM	45 FPM	60 FPM	35 FPM	45 FPM	60 FPM
Plastic wear strip - Sliding friction	1000	2	3	3	1 1/2	2	3	2	3	3	2	3	5
Plastic wear strip - Sliding friction	2000	3	5	5	3	5	7 1/2	5	5	7 1/2	5	7 1/2	7 1/2
Plastic wear strip - Sliding friction	3000	5	5	7 1/2	5	7 1/2	10	7 1/2	7 1/2	10	7 1/2	10	15
Plastic wear strip - Sliding friction	4000	5	7 1/2	10	7 1/2	10	15	7 1/2	10	15	10	15	15
Steel wearbar - Rolling friction	1000	1	1	1 1/2	1	1 1/2	1 1/2	1 1/2	1 1/2	2	1 1/2	1 1/2	2
Steel wearbar - Rolling friction	2000	1 1/2	2	3	2	3	3	1 1/2	2	3	2	3	3
Steel wearbar - Rolling friction	3000	1 1/2	2	3	2	3	5	3	3	5	3	5	5
Steel wearbar - Rolling friction	4000	2	3	5	3	5	5	3	5	5	5	5	7 1/2

*Blue boxes indicate the use of helical-bevel gear drives with higher efficiencies. This is necessitated by the high torque outputs required to drive the conveyor.

Adjustable Floor Support Heights

Adjustable Floor Support Heights (Optional) Available in 4" or 6" Upright Widths	
Chain Elevation for End Drive Conveyors (Top of floor to Top of Chain) (in)	
Low	High
13	15 1/2
14	17 1/2
16 1/2	21
19 1/2	27
25 1/4	33
31 1/2	39
37 1/2	45 1/4

Adjustable Floor Support Heights (Optional) Available in 4" or 6" Upright Widths	
Chain Elevation for Center Drive Conveyors (Top of floor to Top of Chain) (in)	
Low	High
16 1/4	19 1/4
17 3/4	21 1/4
20 1/4	24 3/4
23 1/4	30 3/4
29	36 3/4
35 1/4	42 3/4
41 1/4	49

Additional Standard Conveying Systems



Chain Driven Live Roller Conveyor (CDLR)



Turntable 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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For 40 years we've been applying our resources and experience to the creation of innovative material handling concepts that make a quantifiable difference to the bottom lines of our ever-growing list of national and international clients. These are companies that have come to depend on our talented staff of engineers and material handling consultants to quickly solve their everyday problems, and to prepare them for the future with imaginative and efficient designs and equipment that will keep them ahead of their competition for years to come.



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