Omni Metalcraft_{corp}.

D VOLT CONVEYOR

CONVEYOR

WHY 24V?

POWER SAVINGS: Since it is run on demand (meaning when a package or part is not present in a zone the zone shuts down) a 24V system uses very little power. Some studies suggest a 40 - 80% power savings per year depending on the application.

LOW PROFILE: Height profile of the conveyor can be 7" or lower, depending on the conveyor model.

QUIET: With very few moving parts, ABEC bearings, urethane belt drive bands, and the "run on demand" feature 24V DC conveyor is very quiet. This is very helpful when working in a packing line or when a low decibel environment is necessary.

<u>NO AIR NEEDED:</u> If your system does not have air available or the compressor is too small to handle pneumatic components, you can opt for a fully electric system by using 24V accessories.

VIRTUALLY NO MAINTENANCE:

Since there are very few moving parts and ABEC bearings the system requires very little maintenance.

EASY REPLACEMENT: If a part

does come to the end of its life, all components are easily removed using connectors or standard hardware. All drives and motors are mounted to allow for easy access.

EASY INSTALLATION:

24V conveyors ship fully assembled with only a few simple connections to be made. Power supplies and power distribution cabling are included.

Case Handling

Motor Driven Roller Conveyor



Pallet Handling

Chain Driven Motor Driven Roller Conveyor



Accessories

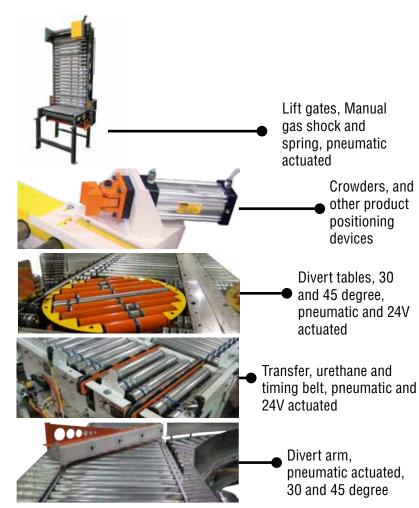


Flat Motor Driven



Chain Driven Flat Motor Conveyor





CONVEYOR MODELS

Conveyor	Model	Drive Method	Load Capacity (Per Product)	Between Frame Width Range (Inches)	Speed Range (Feet Per Minute)
	MO-1.9	O-Ring Belt	Up to 100 lbs	13" to 39"	Up to 180
	MP-1.9	Poly-Ribbed Belt	Up to 600 lbs	13" to 39"	Up to 180
a papar	MP-2.5	Poly-Ribbed Belt	Up to 3,000 Ibs	13" to 54"	Up to 60
*OPERATING NOTE	MC-1.9	RC40 Chain	Up to 900 lbs	13" to 39"	Up to 120
OPERATING NOTE	MC-2.5	RC40, 50 or 60 Chain	Up to 3,000 Ibs	13" to 54"	Up to 60
	FO-1.9	O-Ring Belt	Up to 100 lbs	13" to 39"	Up to 180
	FP-1.9	Poly-Ribbed Belt	Up to 600 lbs	13" to 39"	Up to 60
Ì	FC-1.9	RC40 Chain	Up to 900 lbs	13" to 54"	Up to 60

Parameters shown are considered standard, if your application parameters exceed what is shown, contact us.

*IN THE MODELS MC-1.9 AND MC-2.5 PRODUCT IMAGE THE GUARD IS REMOVED FOR CLARITY, GUARD MUST BE IN PLACE BEFORE OPERATING EQUIPMENT.



CONTROLS

Power supplies

24V DC in 460V 3-phase, 230V 1-phase, 115V 1-phase available input voltage

NEMA 12 Enclosure

Through door disconnect

Positioning

Positioning proxes or limit switches available

Mounted at the factory

J-Boxes

Proxes, limit switches, valves, and photo eyes can be wired back to a terminal strip at the factory for convenient and quick field installation.



Work station hold

Selector switch mounted inside of a control box, and wired at the factory. Allows for a worker controlled hold in a work area. All zones function normally after the work station hold.

Z-Control and MDR automated drive cards

Standard ZPA logic is contained on the drive card allowing for non-plc controlled zero pressure accumulation.

Programmable MDR drive card

Programmable with a software download and ladder logic.

EtherNet/IP conformance tested Configures easily in RSLogix 5000(tm) using an available add on profile.

Disabling an open gate

Mounted and wired prox/relay cuts power to a lift gate when in the up position.



<u>24V SILO:</u> For down service elevation changes and vertical accumulation of round product.



Narrow belts over MDR rollers.



Multi-tier high density accumulation conveyor.

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MOTOR DRIVEN ROLLER CONVEYOR QUOTATION WORKSHEET

Company	D	ate
Contact		esired Delivery
Phone No.		
Omni Sales Contact		ote #:
Quantity		
·		
Product Specs:	Roller Specs:	
Max:	🖵 1.9 in.	dia. x 16 ga. Galv.
- Width (inches): Length (inches):		dia. x 11 ga. Mild Steel
- Height (inches):Weight (lbs):		g:
Min:	Other:	
- Width (inches): Length (inches):		
- Height (inches):Weight (lbs):	Support Type:	
Description:	a server a s	
Max. Qty.: Total Live Load:		Ceiling Supports TOR+/
Temperature		3 • • • • • • • • • • • • • • • • • • •
-Environment:	Application Ty	
		g Release
Conveyor Construction:		sure - Zone Length
Between Frame (BF)		
Roller C/C	Notes:	
Straight Length:		
Curve - Degree:		
Inside Radius (I.R.):		
Bolt-Together		
Galvanized 🛛 Painted 🖵 Powe	ler Coat	
Color/RAL:		
U Welded		
Painted Powder Coat		
Color/RAL:		
Plant Voltage:		
115V Single Phase 460V Three	Phase	
230V Single Phase 208V Three		
230 Three Phase 575V Three	Phase	
Speed:		
FixedFPM		
VariabletoFPM		
Deles Devide		
Drive Bands:		
Standard 83A (50 lbs. Capacity)		
High Tension 85A (100 lbs. Capacity)		
Gener		