

MUVRO TECHNOLOGIES



PRODUCT CATALOGUE

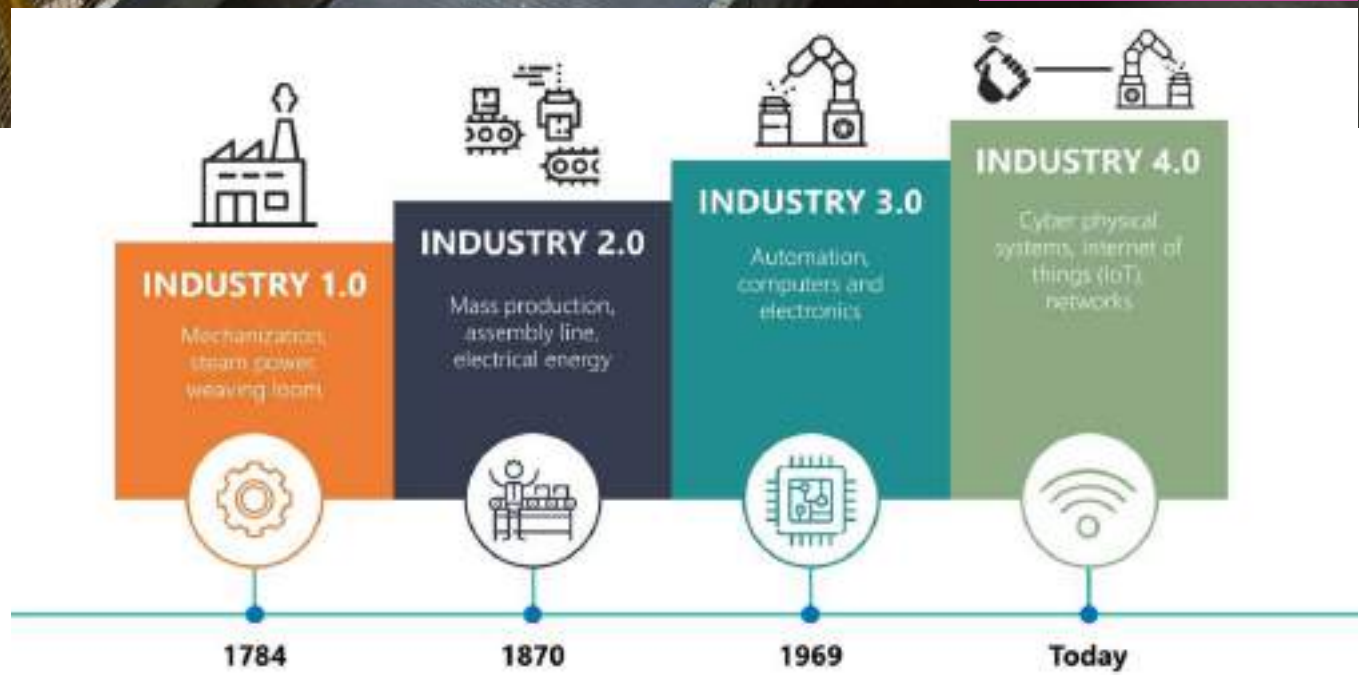


MT-MKT-PRO-02, V1.1

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Industry 4.0



SPEARHEADING THE INDUSTRY

As India's industry continues to hurtle towards state-of-the-art technology innovations and more robotised infrastructure, ensuring quality and increased output, the Muvro Tech has emerged as one of the country's go-to partners. From a start-up two decades previous, the New Delhi-based company is becoming one of the fastest-growing power houses of innovation for several growth industries that range across automotive, food and beverages, packaging, light and heavy engineering. We are also fortunate to have great customers who return to us for innovations to enhance their production processes. We never take this for granted and work hard to keep all customers happy. We know that keeping them happy is extremely important, so our goal is to deliver systems and service reliably and consistently.

A VISION, A BELIEF

Inclusive prosperity through knowledge, innovation and customer satisfaction with ethical business practices.

OUR MISSION

Provide dynamic solutions to customer needs and exceed their expectations in terms of quality and service.



Few of our most valued customers »



Content

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 - Live Roller Conveyor
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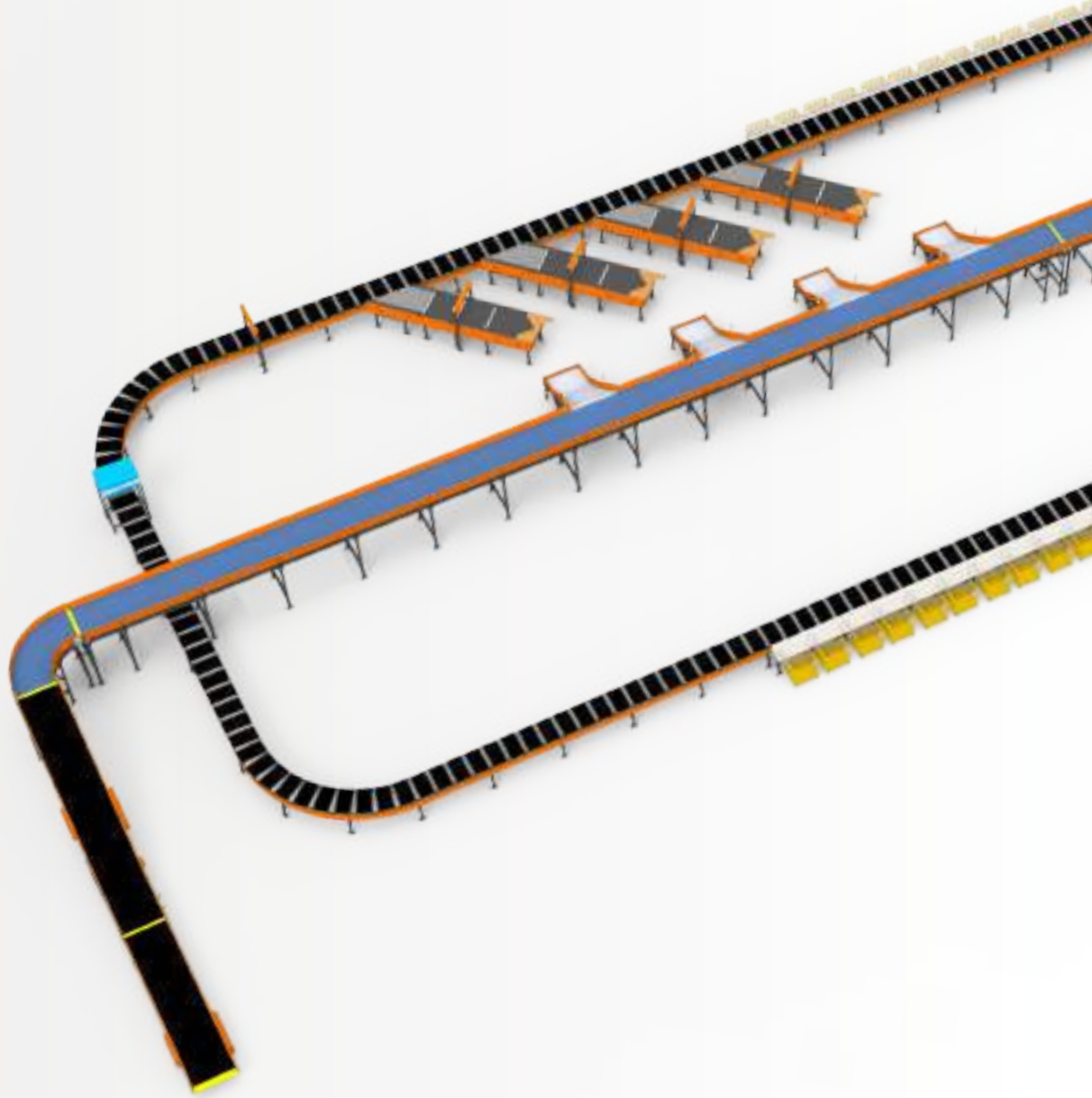


Disclaimer:

1- We can not guarantee that there are no omissions in this product selection catalogue, so we are not responsible for any indirect caused by the commission.

2- We reserve the right to change any information in this product selection catalogue without any prior notice.

3- We has the right of final interpretation.



Drive Unit
Options



Noise
Reduction



Modular
Design



Impact
Resistance



Easy
Maintenance



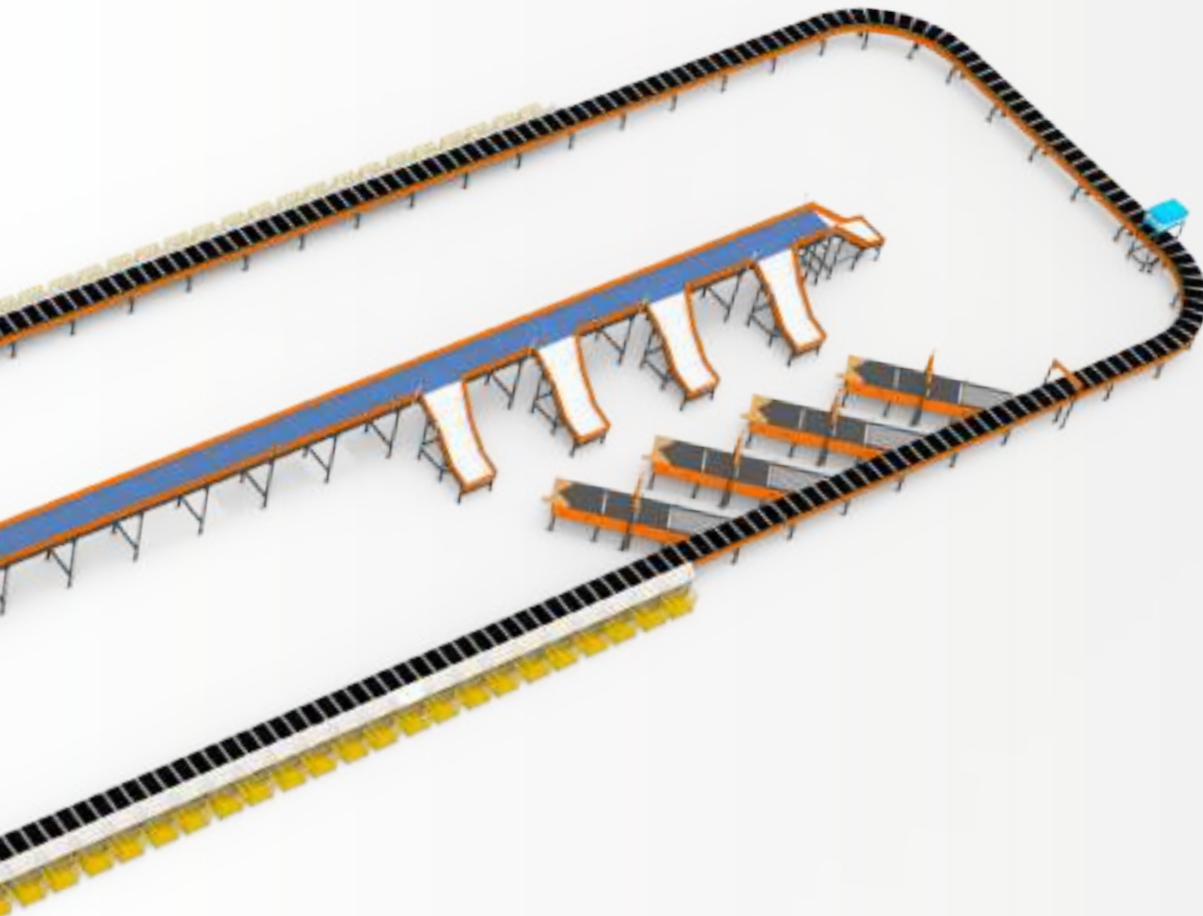
Beautiful
Appearance



Heavy-Load
Capacity



Customize
Speed



Muvro is proud to present our newest foray into the logistics and supply chain solution sector- ZedSort, a high-speed cross-belt sorter.

Our innovative and dynamic ZedSort is equipped with a wide variety of powerful features that could potentially revolutionize your shipment sorting process and intralogistics challenges. Our ZedSort can significantly increase the efficiency of your business's overall intralogistics processes, decrease noise, reduce costs and much more; with a significantly lower error rate than ever before.

ZedSort

High Speed Cross Belt Sorter



ROLLER CONVEYORS

Powerised Roller Conveyor

Straight (Light Duty)

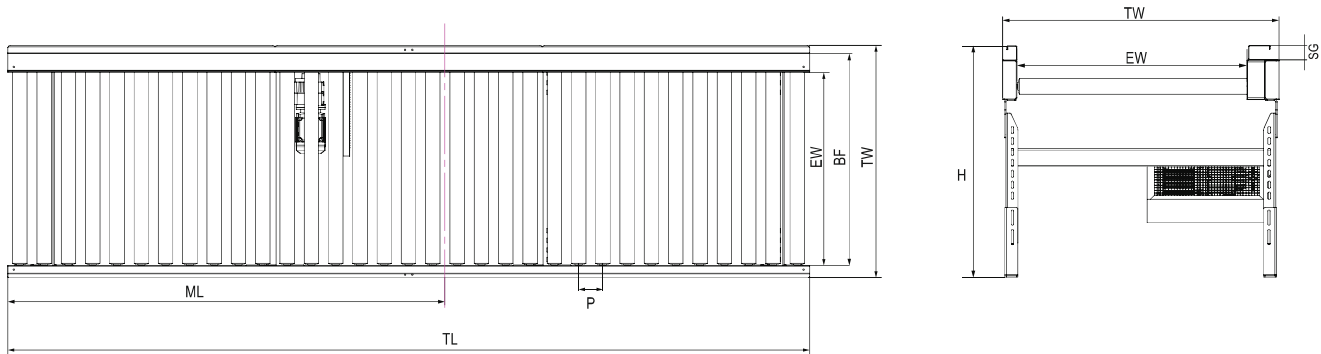


Powerised Roller Conveyors are great for handling heavy product with smooth bottom or on pallets. PRC's are used for warehouse operations that handle steel sheet or structural shapes and using pallets or skids. This is a very versatile conveying unit for package handling, accumulation, and automobile tire handling systems. PRC's will handle large castings, forgings, parts with flat or smooth bottoms, and pallet transfer systems.

Technical Data:

General technical data	Load capacity	10 to 100kg/Mtr.
	Conveying speed	5-40m/min.
	Ambient temperature	0°C~40°C
	Ambient humidity	≤90% (without condensation)
Roller	Roller type	Powered Roller
	Roller diameter	Ø50 mm
	Roller material	Steel 1.5mm, zinc-plated
Chain & Sprocket	Sprocket	14-teeth Double steel sprocket
	Chain	RC40
	Material	MS
Drive	Rated Voltage	AC380-415V/3PH/50Hz
	Motor type	AC gear motor
	Drive medium	Roller-to-Roller (Tangential)

Dimensions:



BF	Between Frame:	400mm, 500mm, 600mm 800mm, 1000mm
EW	Effective Width:	BF-64
TW	Total Width:	BF+80 *(Flange width)
ML	Module Length:	2400mm
TL	Total Length:	ML x No. of Modules
HSG	Height of side guide:	Customize
H	Height:	850 ± 100mm Adjustable *(400 to 1000 height available as per requirement)
P	Pitch:	60/80/100/120mm

Scope of supply:

- Module is completely assembled but not wired at factory.
- Side guide are customize.
- The combination of product color is customize.
- Leg supports are Included in complete module.

Order Information:

Drop a Mail at : info@muvro.com

Powerised Roller Conveyor

Straight (Medium Duty)

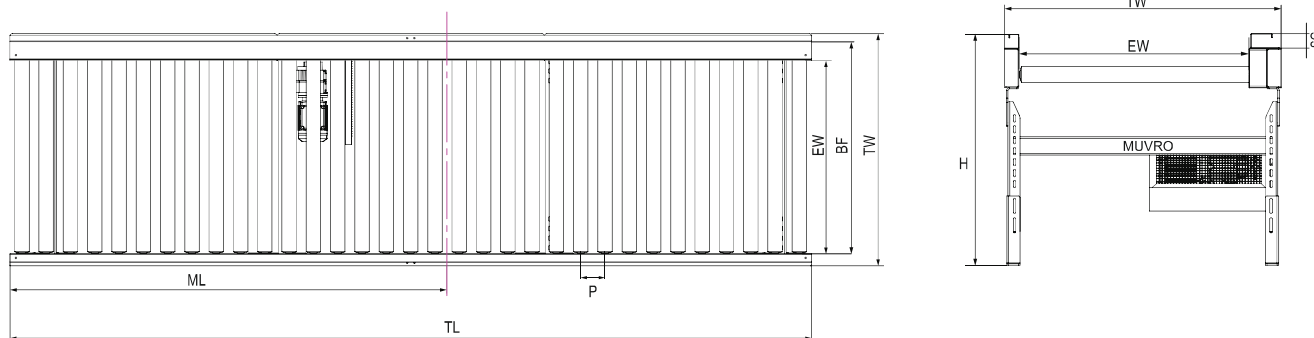


Powerised Roller Conveyors are great for handling heavy product with smooth bottom or on pallets. PRC's are used for warehouse operations that handle steel sheet or structural shapes and using pallets or skids. This is a very versatile conveying unit for package handling, accumulation, and automobile tire handling systems. PRC's will handle large castings, forgings, parts with flat or smooth bottoms, and pallet transfer systems.

Technical Data:

General technical data	Load capacity	100 to 250kg/Mtr.
	Conveying speed	5-40m/min.
	Ambient temperature	0°C~40°C
	Ambient humidity	≤90% (without condensation)
Roller	Roller type	Powered Roller
	Roller diameter	Ø60 mm
	Roller material	Steel 3mm, zinc-plated
Chain & Sprocket	Sprocket	14-teeth Double steel sprocket
	Chain	RC40
	Material	MS
Drive	Rated Voltage	AC380-415V/3PH/50Hz
	Motor type	AC gear motor
	Drive medium	Roller-to-Roller (Tangential)

Dimensions:



BF	Between Frame:	400mm, 500mm, 600mm, 800mm, 1000mm, 1200mm
EW	Effective Width:	BF-64
TW	Total Width:	BF+80 *(Flange width)
ML	Module Length:	2000mm
TL	Total Length:	ML x No. of Modules
HSG	Height of side guide:	Customize
H	Height:	850 ±100mm Adjustable *(400 to 1000 height available as per requirement)
P	Pitch:	60/80/100/120mm

Scope of supply:

- Module is completely assembled but not wired at factory.
- Side guide are customize.
- The combination of product color is customize.
- Leg supports are Included in complete module.

Order Information:

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Powerised Roller Conveyor

Straight (Heavy Duty)

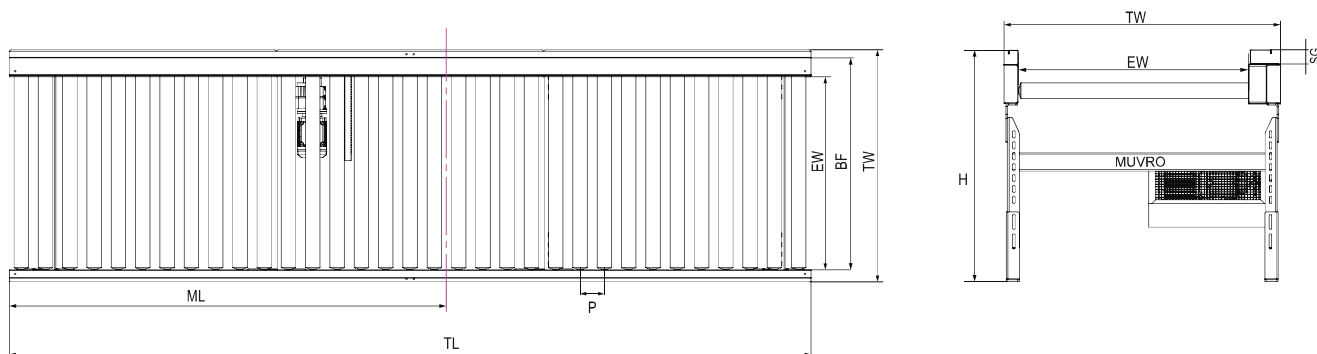


Powerised Roller Conveyors are great for handling heavy product with smooth bottom or on pallets. PRC's are used for warehouse operations that handle steel sheet or structural shapes and using pallets or skids. This is a very versatile conveying unit for package handling, accumulation, and automobile tire handling systems. PRC's will handle large castings, forgings, parts with flat or smooth bottoms, and pallet transfer systems.

Technical Data:

General technical data	Load capacity	250 to 1000kg/Mtr.
	Conveying speed	5-20m/min.
	Ambient temperature	0°C~40°C
	Ambient humidity	≤90% (without condensation)
Roller	Roller type	Powered Roller (Heavy duty)
	Roller diameter	Ø80 mm
	Roller material	Steel 3mm, zinc-plated
Chain & Sprocket	Sprocket	14-teeth Double steel sprocket
	Chain	RC40
	Material	MS
Drive	Rated Voltage	AC380-415V/3PH/50Hz
	Motor type	AC gear motor
	Drive medium	Roller-to-Roller (Tangential)

Dimensions:



BF	Between Frame:	400mm, 500mm, 600mm, 800mm, 1000mm, 1200mm, 1500mm
EW	Effective Width:	BF-64
TW	Total Width:	BF+80 *(Flange width)
ML	Module Length:	1800mm
TL	Total Length:	ML x No. of Modules
HSG	Height of side guide:	Customize
H	Height:	850 ± 100mm Adjustable *(400 to 1000 height available as per requirement)
P	Pitch:	60/80/100/120mm

Scope of supply:

- Module is completely assembled but not wired at factory.
- Side guide are customize.
- The combination of product color is customize.
- Leg supports are Included in complete module.

Order Information:

Drop a Mail at : info@muvro.com

Powerised Roller Conveyor

Curve (Light Duty)

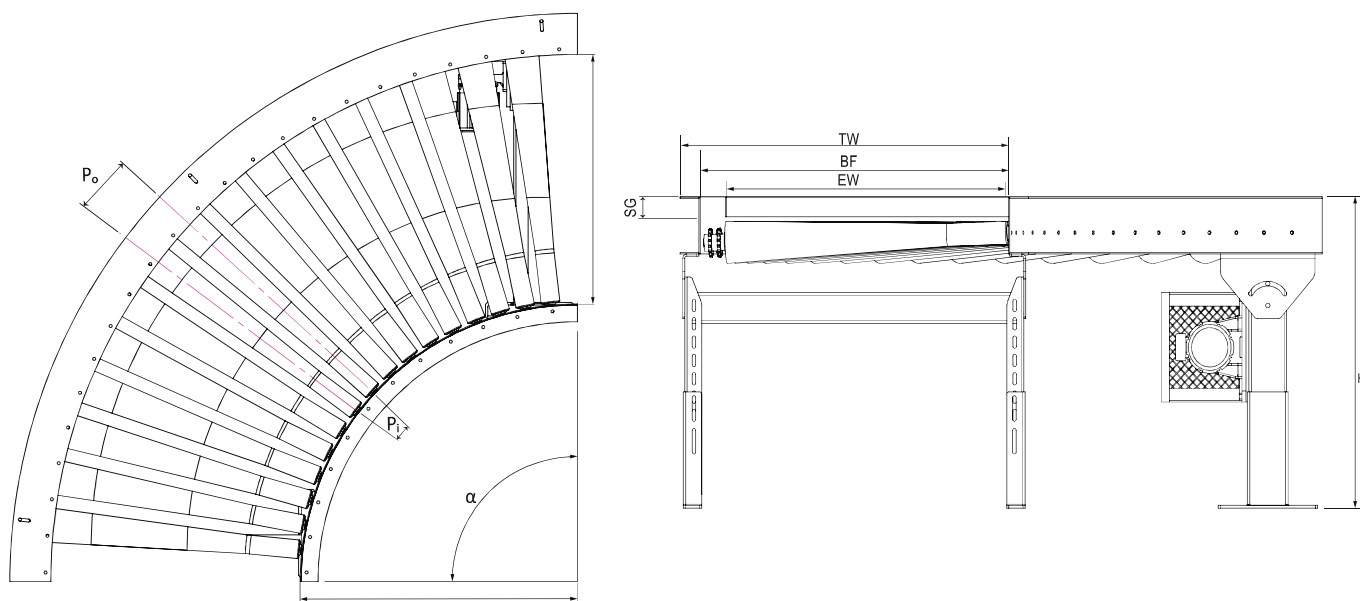


Powerised Roller Conveyors are great for handling heavy product with smooth bottom or on pallets. PRC's are used for warehouse operations that handle steel sheet or structural shapes and using pallets or skids. This is a very versatile conveying unit for package handling, accumulation, and automobile tire handling systems. PRC's will handle large castings, forgings, parts with flat or smooth bottoms, and pallet transfer systems.

Technical Data:

General technical data	Load capacity	10 to 100kg/Mtr.
	Conveying speed	5-40m/min.
	Ambient temperature	0°C~40°C
	Ambient humidity	≤90% (without condensation)
Roller	Tapered fixed drive roller	Interroll series3500KXO
	Roller diameter	Ø52.6 ~ Ø109.6 mm
	Roller material	Steel 1.5mm, zinc-plated
Chain & Sprocket	Sprocket	14-teeth Double steel sprocket
	Chain	RC40
	Material	MS
Drive	Rated Voltage	AC380-415V/3PH/50Hz
	Motor type	AC gear motor
	Drive medium	Roller-to-Roller (Tangential)

Dimensions:



BF	Between Frame:	400mm, 500mm, 600mm, 800mm, 1000mm
EW	Effective Width:	BF-64
TW	Total Width:	BF+80 *(Flange width)
α	Angle curve:	30°/45°/60°/90°
P _i	Pitch (Inner side):	~71mm
P _o	Pitch (Outer side):	~(0.098xLW)+ P _i mm
WSG	Width of side guide:	Customize
H	Height:	850 ± 100mm Adjustable *(400 to 1000mm height available as per requirement)

Scope of supply:

- Module is completely assembled but not wired at factory.
- Side guide are customize.
- The combination of product color is customize.
- Leg supports are Included in complete module.

Order Information:

Drop a Mail at : info@muvro.com

Powerised Roller Conveyor

Curve (Medium Duty)

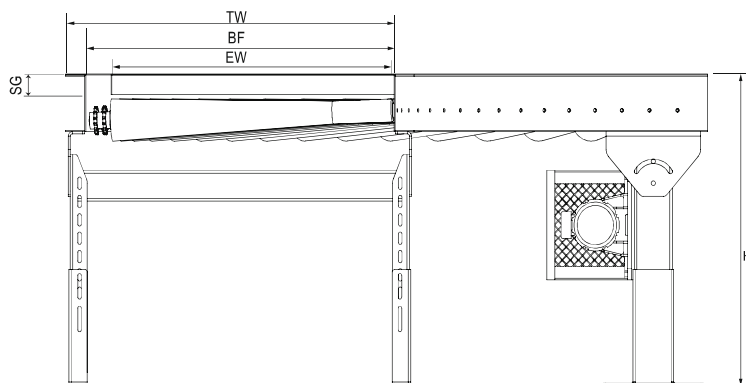
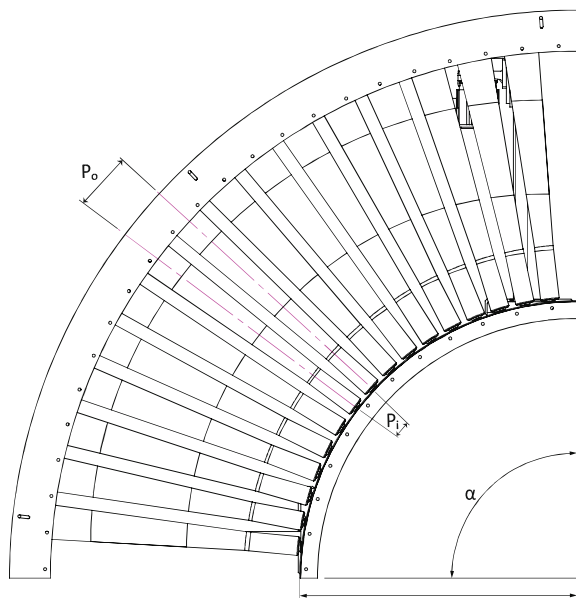


Powerised Roller Conveyors are great for handling heavy product with smooth bottom or on pallets. PRC's are used for warehouse operations that handle steel sheet or structural shapes and using pallets or skids. This is a very versatile conveying unit for package handling, accumulation, and automobile tire handling systems. PRC's will handle large castings, forgings, parts with flat or smooth bottoms, and pallet transfer systems.

Technical Data:

General technical data	Load capacity	100 to 250kg/Mtr.
	Conveying speed	5-20m/min.
	Ambient temperature	0°C~40°C
	Ambient humidity	≤90% (without condensation)
Roller	Tappered fixed drive roller	Interroll series3500KXO
	Roller diameter	Ø52.6 ~ Ø109.6 mm
	Roller material	Steel 1.5mm, zinc-plated
Chain & Sprocket	Sprocket	14-teeth Double sprocket/roller
	Chain	RC40
	Material	MS
Drive	Rated Voltage	AC380-415V/3PH/50Hz
	Motor type	AC gear motor
	Drive medium	Roller-to-Roller (Tangential)

Dimensions:



BF	Between Frame:	400mm, 500mm, 600mm, 800mm, 1000mm, 1200mm
EW	Effective Width:	BF-64
TW	Total Width:	BF+80 *(Flange width)
α	Angle curve:	30°/45°/60°/90°
P_i	Pitch (Inner side):	~71mm
P_o	Pitch (Outer side):	~(0.098xLW)+ P_i mm
WSG	Width of side guide:	Customize
H	Height:	850 ±100mm Adjustable *(400 to 1000mm height available as per requirement)

Scope of supply:

- Module is completely assembled but not wired at factory.
- Side guide are customize.
- The combination of product color is customize.
- Leg supports are Included in complete module.

Order Information:

Drop a Mail at : info@muvro.com

Zero Pressure Accumulation Roller Conveyor Straight (Light Duty)

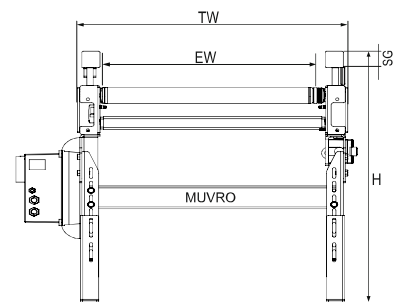
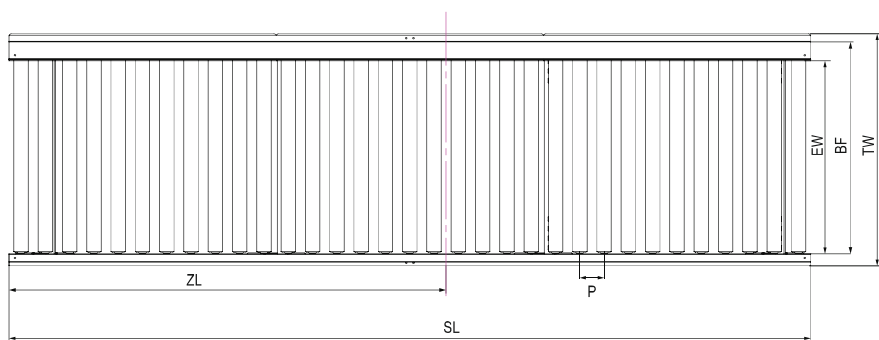


zero pressure accumulation conveyor to convey all types of cardboard boxes, flat bottom boxes, etc. on zinc-plated steel fixed drive rollers via polyVee belt . ZPA drive by PolyVee belt drive head through 24V DC rated voltage. It has a zone control card to accumulate the conveyor.

Technical Data:

General technical data	Load capacity	10 to 75kg/mtr.
	Conveying speed	5-40m/min.
	Ambient temperature	0°C~40°C
	Ambient humidity	≤90% (without condensation)
Roller	Roller type	Fixed drive roller PolyVee head
	Roller diameter	Ø50 mm
	Roller material	Steel 1.5mm, zinc-plated
	Max. roller per zone	8, 10, 12
	Roller drive head	PolyVee belt
Drive	Rated Voltage	24V DC
	Drive type	24V DC roller drive
	Drive medium	Roller-to-Roller (Tangential)
Accumulation	Accumulation method	Zone control card

Dimensions:



BF	Between Frame:	500mm, 600mm, 800mm, 1000mm
SL	Segment length:	1950mm, 2000mm, 2250mm
ZL	Zone length:	650mm, 750mm, 1000mm
L	Conveyor length:	SL x No. of segment; up to 20 meter
TW	Module width:	BF+110mm
SG	Side guide:	Customize
SF	C-channel:	150x50mm, 3mm thickness
P	Pitch:	75mm, 100mm

Scope of supply:

- Module is completely assembled but not wired at factory.
- Side guide are customize.
- The combination of product color is customize.
- Leg supports are Included in complete module.

Order Information:

Drop a Mail at : info@muvro.com

Zero Pressure Accumulation Roller Conveyor Straight (Medium Duty)

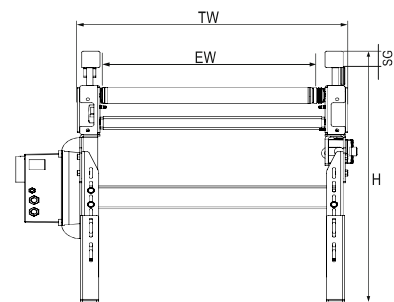
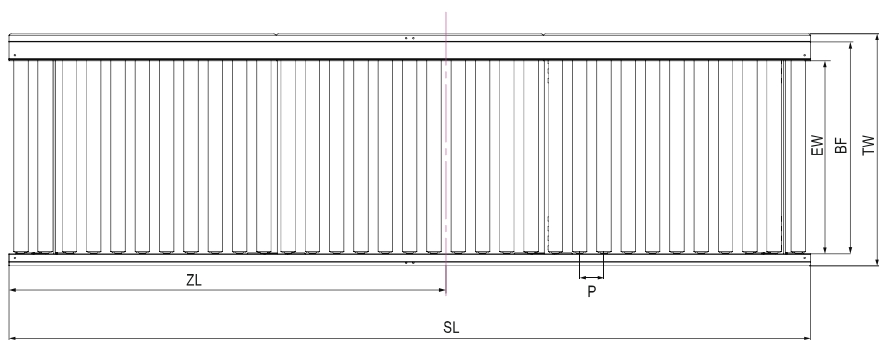


zero pressure accumulation conveyor to convey all types of cardboard boxes, flat bottom boxes, etc. on zinc-plated steel fixed drive rollers via polyVee belt . ZPA drive by PolyVee belt drive head through 24V DC rated voltage. It has a zone control card to accumulate the conveyor.

Technical Data:

General technical data	Load capacity	100 to 250kg/mtr.
	Conveying speed	5-20m/min.
	Ambient temperature	0°C~40°C
	Ambient humidity	≤90% (without condensation)
Roller	Roller type	Fixed drive roller PolyVee head
	Roller diameter	Ø60 mm
	Roller material	Steel 3mm, zinc-plated
	Max. roller per zone	8, 10, 12
	Roller drive head	PolyVee belt
Drive	Rated Voltage	AC380-415V/3PH/50Hz
	Drive type	Drum motor Ø80 mm
	Drive medium	Roller-to-Roller (Tangential)
Accumulation	Accumulation method	Zone control card

Dimensions:



BF	Between Frame:	500mm, 600mm, 800mm, 1000mm
SL	Segment length:	1950mm, 2000mm, 2250mm
ZL	Zone length:	650mm, 750mm, 1000mm
L	Conveyor length:	SL x No. of segment; up to 20 meter
TW	Module width:	BF+110mm
SG	Side guide:	Customize
SF	C-channel:	150x50mm, 3mm thickness
P	Pitch:	75mm, 100mm

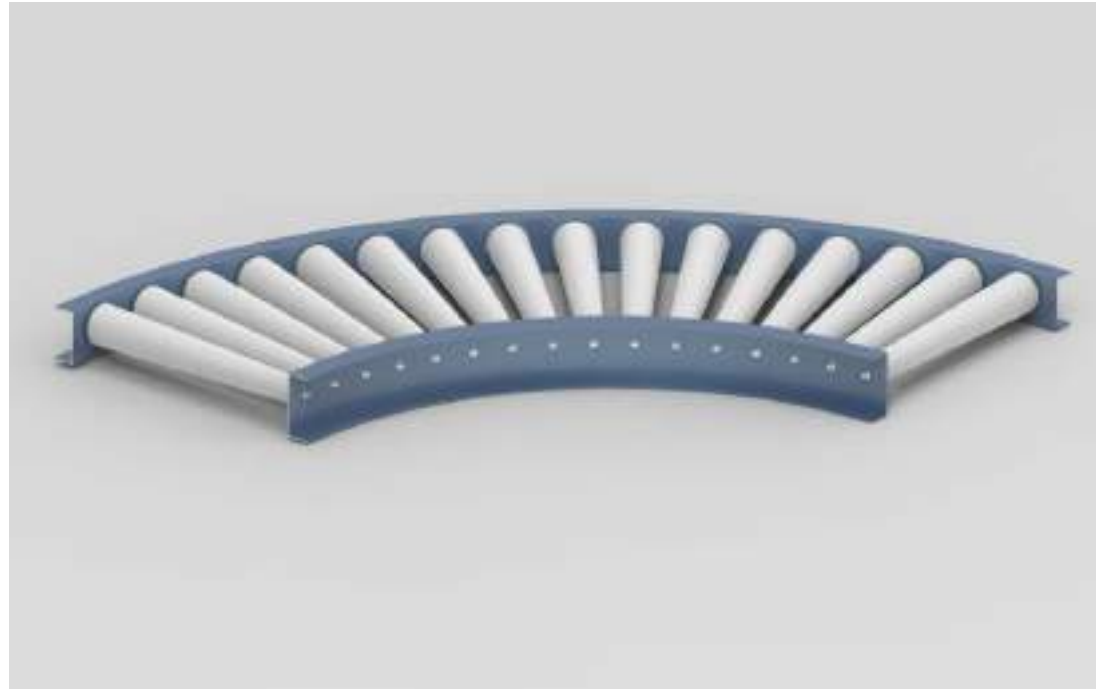
Scope of supply:

- Module is completely assembled but not wired at factory.
- Side guide are customize.
- The combination of product color is customize.
- Leg supports are Included in complete module.

Order Information:

Drop a Mail at : info@muvro.com

Zero Pressure Accumulation Roller Conveyor Curve (Light Duty)

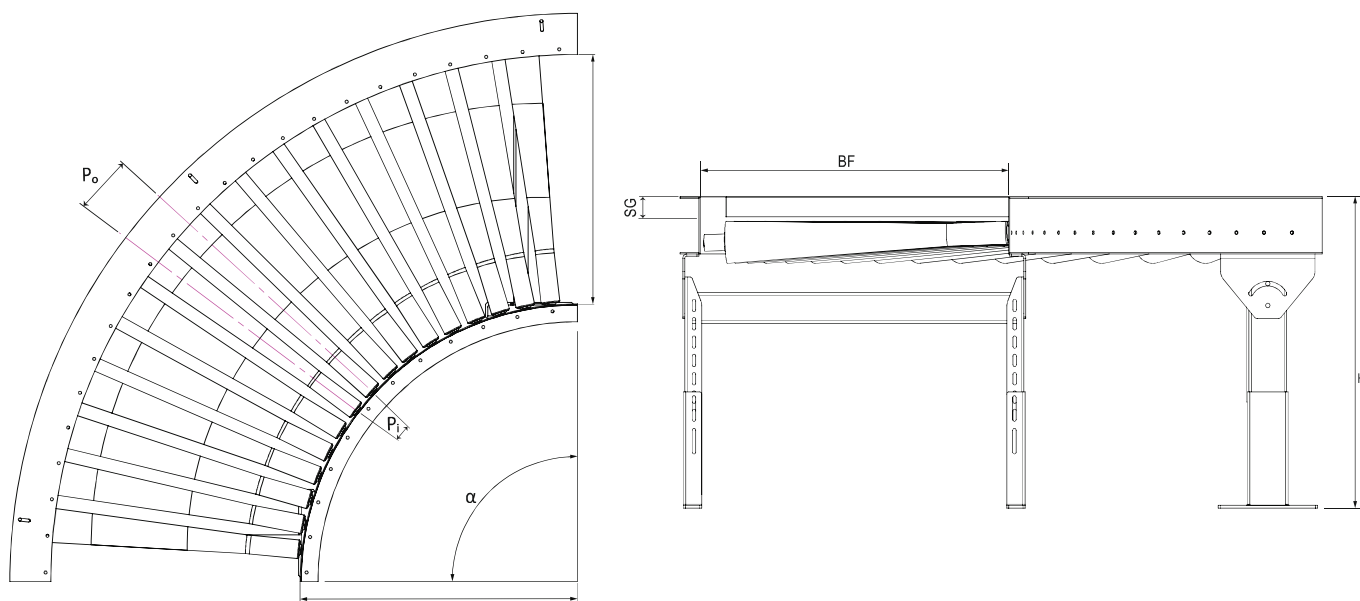


ZPA conveyor with a curve to convey all types of cardboard boxes, flat bottom boxes, etc. on truncated-cone shaped rollers.

Technical Data:

General technical data	Load capacity	10 to 75kg/Mtr.
	Conveying speed	5-40m/min.
	Ambient temperature	0°C~40°C
	Ambient humidity	≤90% (without condensation)
Roller	Tappered fixed drive roller	Fixed drive tapered roller
	Roller diameter	Ø52.6 ~ Ø109.6 mm
	Roller material	Galvanized carbon steel with tapered polymer sleeves
	Roller drive head	PolyVee belt
Drive	Rated Voltage	24V DC
	Drive type	24V DC roller drive
	Drive medium	Roller-to-Roller (Tangential)
Accumulation	Accumulation method	Zone control card

Dimensions:



BF	Between Frame:	600mm, 800mm, 1000mm
L	Conveyor length:	2200mm, 2350mm, 2500mm
TW	Total Width:	BF+110mm
α	Angle curve:	30°/45°/60°/90°
P _i	Pitch (Inner side):	~70mm
P _o	Pitch (Outer side):	~(0.098xLW) + P _i mm
SG	Side guide:	Customize
H	Height:	850 ± 100mm Adjustable *(400 to 1000mm height available as per requirement)

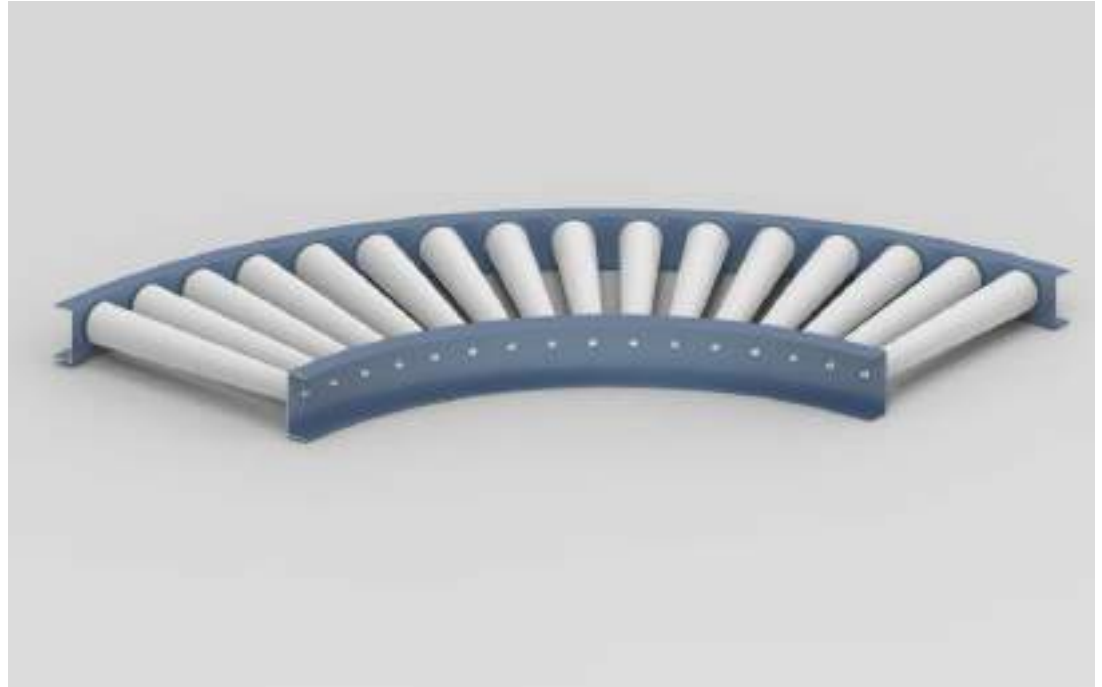
Scope of supply:

- Module is completely assembled but not wired at factory.
- Side guide are customize.
- The combination of product color is customize.
- Leg supports are Included in complete module.

Order Information:

Drop a Mail at : info@muvro.com

Zero Pressure Accumulation Roller Conveyor Curve (Medium Duty)

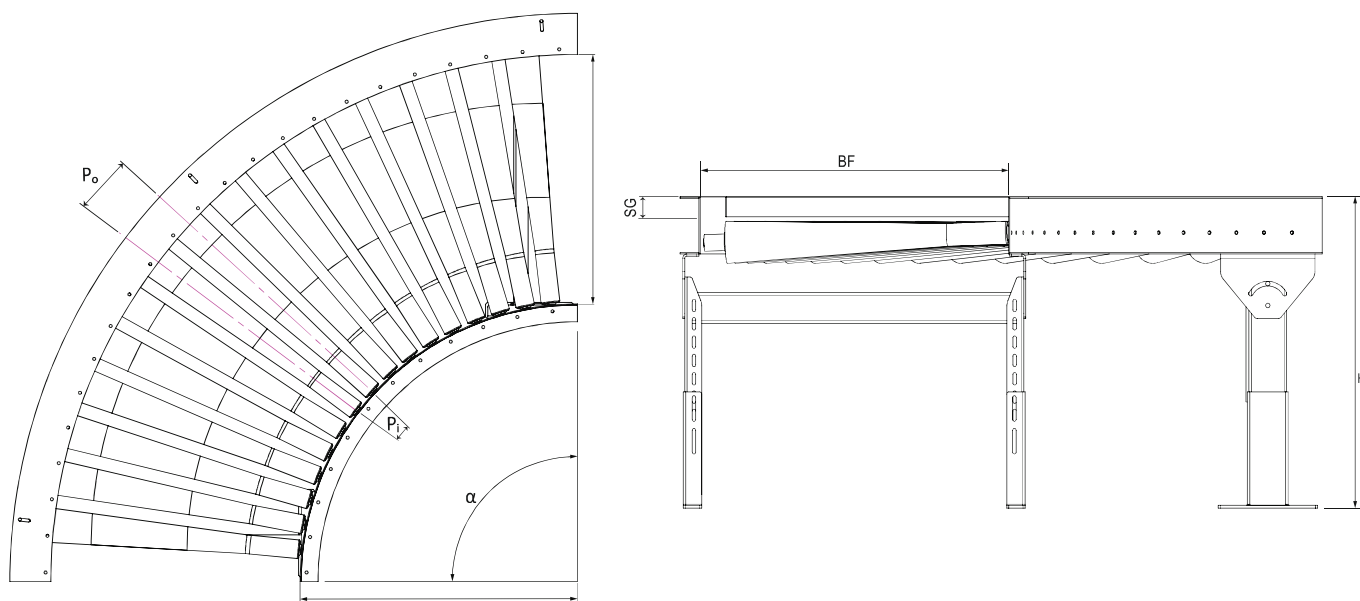


ZPA conveyor with a curve to convey all types of cardboard boxes, flat bottom boxes, etc. on truncated-cone shaped rollers.

Technical Data:

General technical data	Load capacity	50 to 150kg/Mtr.
	Conveying speed	5-20m/min.
	Ambient temperature	0°C~40°C
	Ambient humidity	≤90% (without condensation)
Roller	Tappered fixed drive roller	Fixed drive tapered roller
	Roller diameter	Ø52.6 ~ Ø109.6 mm
	Roller material	Galvanized carbon steel with tapered polymer sleeves
	Roller drive head	PolyVee belt
Drive	Rated Voltage	24V DC
	Drive type	Drum motor Ø80mm
	Drive medium	Roller-to-Roller (Tangential)
Accumulation	Accumulation method	Zone control card

Dimensions:



BF	Between Frame:	600mm, 800mm, 1000mm
L	Conveyor length:	2200mm, 2350mm, 2500mm
TW	Total Width:	BF+110mm
α	Angle curve:	30°/45°/60°/90°
P _i	Pitch (Inner side):	~70mm
P _o	Pitch (Outer side):	~(0.098xLW) + P _i mm
SG	Side guide:	Customize
H	Height:	850 ± 100mm Adjustable *(400 to 1000mm height available as per requirement)

Scope of supply:

- Module is completely assembled but not wired at factory.
- Side guide are customize.
- The combination of product color is customize.
- Leg supports are Included in complete module.

Order Information:

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Powerised Accumulation Roller Conveyor

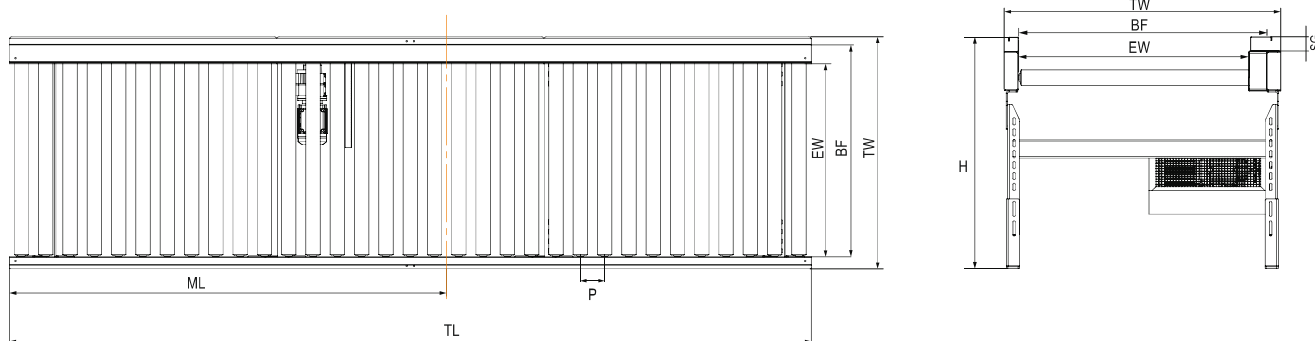


Powerised Roller Conveyors are great for handling heavy product with smooth bottom or on pallets. PRC's are used for warehouse operations that handle steel sheet or structural shapes and using pallets or skids. This is a very versatile conveying unit for package handling, accumulation, and automobile tire handling systems. PRC's will handle large castings, forgings, parts with flat or smooth bottoms, and pallet transfer systems.

Technical Data:

General technical data	Load capacity	10 to 100kg/Mtr.
	Conveying speed	5-40m/min.
	Ambient temperature	0°C~40°C
	Ambient humidity	≤90% (without condensation)
Roller	Roller type	Friction conveyor roller
	Roller diameter	Ø50 mm
	Roller material	Steel 1.5mm, zinc-plated
	Roller drive head	Single/double steel sprocket with accumulation clutch
Chain & Sprocket	Sprocket	14-teeth Double steel sprocket
	Chain	RC40
	Material	MS
Drive	Rated Voltage	AC380-415V/3PH/50Hz
	Motor type	AC gear motor
	Drive medium	Roller-to-Roller (Tangential)

Dimensions:



BF	Between Frame:	500mm, 600mm 800mm, 1000mm
EW	Effective Width:	BF-64
TW	Total Width:	BF+80 *(Flange width)
ML	Module Length:	1800mm, 2000mm, 2400mm
TL	Total Length:	ML x No. of Modules
SG	Side guide:	Customize
H	Height:	850 ±100mm Adjustable *(400 to 1000 height available as per requirement)
P	Pitch:	60/80/100/120mm

Scope of supply:

- Module is completely assembled but not wired at factory.
- Side guide are customize.
- The combination of product color is customize.
- Leg supports are Included in complete module.

Order Information:

Drop a Mail at : info@muvro.com

Flat Belt Driven Roller Conveyor



The flat belt roller conveyor utilizes a single narrow belt to contact the roller above and relies on the friction between the belt and the roller to drive the roller conveyor.

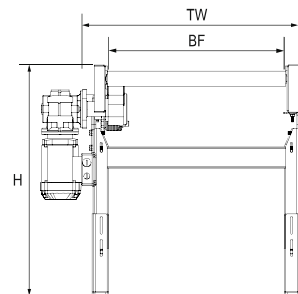
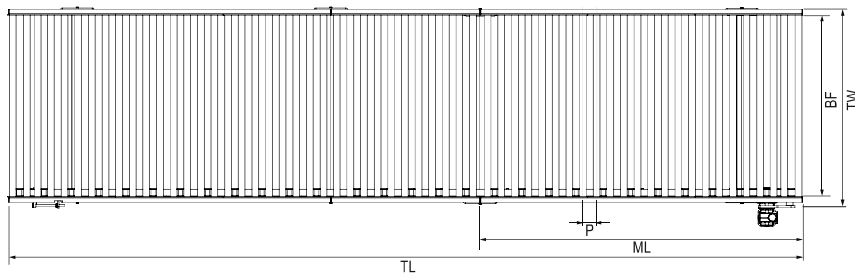
it is suitable for transportation of totes and cartons over a long distance. the longer the conveyor line the higher the cost saving.

Technical Data:

General technical data	Load capacity	10 to 80kg/mtr.
	Conveying speed	5-40m/min.
	Ambient temperature	0°C~40°C
	Ambient humidity	≤90% (without condensation)
Roller	Roller type	Free flow universal roller
	Roller diameter	50
	Roller material	Steel 1.5mm, zinc plated
Drive	Rated Voltage	AC380-415V/3PH/50Hz
	Drive type	AC gear motor
	Drive medium	Flat belt friction driven

Dimensions:

Flat Belt Driven Roller Conveyor



BF	Between Frame:	500mm, 600mm, 800mm, 1000mm
TW	Total Width:	BF+110mm
ML	Module Length:	2400mm
TL	Total Length:	ML x No. of Modules
SG	Side guide:	Customize
H	Height:	850 ± 100mm Adjustable *(400 to 1000 height available as per requirement)
P	Pitch:	60/80/100mm

Scope of supply:

- Module is completely assembled but not wired at factory.
- Side guide are customize.
- The combination of product color is customize.
- Leg supports are Included in complete module.

Order Information:

Drop a Mail at : info@muvro.com



Drive Unit
Options



Noise
Reduction



Modular
Design



Impact
Resistance



Easy
Maintenance



Beautiful
Appearance



Heavy-Load
Capacity



Customize
Speed



PVC SYNTHETIC BELT CONVEYOR

PVC Synthetic Belt Conveyor Straight



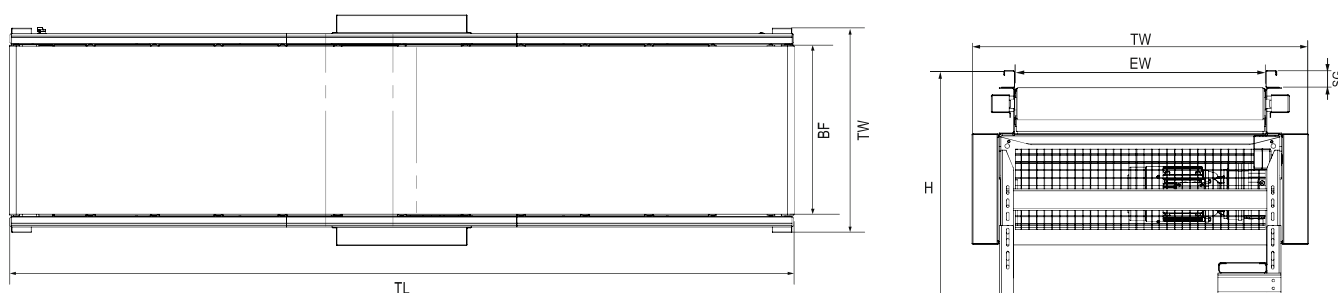
The pvc belt conveyor is used for the transport of unit load that are not suitable for roller conveyors and for all types of unit load in case of declines.

The pvc belt conveyors is available with gear motor drive. The drive unit is mounted at the center of the conveyor.

Technical Data:

General technical data	Load capacity	25 to 150kg/mtr.
	Conveying speed	10-40m/min.
	Ambient humidity	≤90% (without condensation)
	Incline/decline	up to 5 degree
Carrier & Return Roller	Roller type	Free flow universal roller
	Roller diameter	Ø50mm, Ø60mm
	Roller material	Steel 1.5mm/3mm, zinc-plated
	Mounting pitch (for return roller)	1200mm
	Mounting pitch (for top roller)	450mm
Drive	Rated Voltage	230~415V
	Electrical power	0.5kw~5.0kw
	Motor type	Gear motor
Belt	conveyor belt	Smooth, 2-layer, PVC, longitudinally grooved for incline
	Slider bed	Steel sheet 2mm

Dimensions:



BF	Between Frame:	600mm 800mm, 1000mm, 1200mm, 1500mm
TW	Total Width:	BF+100mm
TL	Module Length:	25000mm Max.
SG	Side guide:	Customize
H	Height:	700±50mm Adjustable *(700 to 2300 height available as per requirement)

Scope of supply:

- Module is completely assembled but not wired at factory.
- Side guide are customize.
- The combination of product color is customize.
- Leg supports are Included in complete module.

Order Information:

Drop a Mail at : info@muvro.com

PVC Synthetic Belt Conveyor Goose-Neck



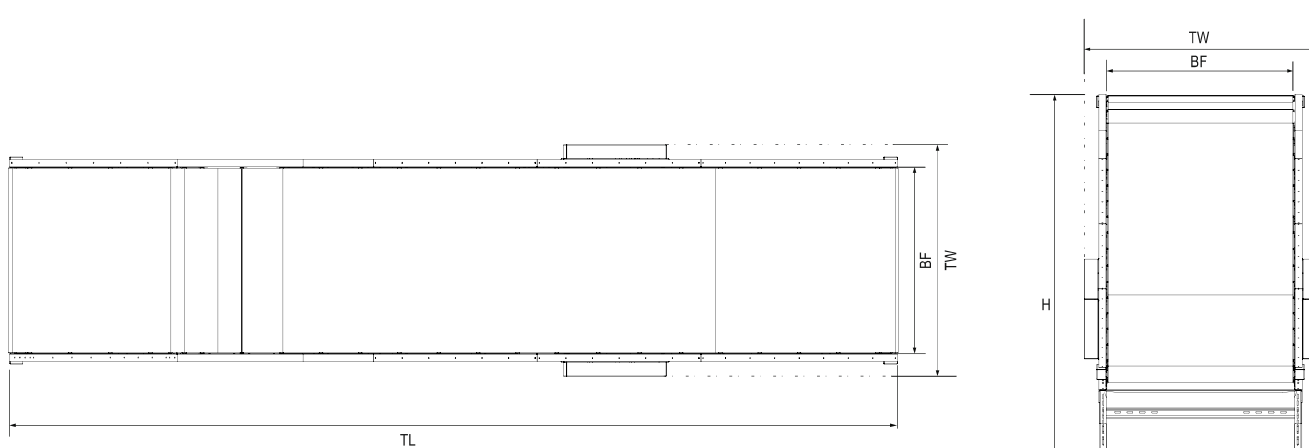
The center drive slider bed incline belt conveyor is used to transport goods to a different height. the conveyor uses a longitudinal groove belt supported by a roller bed. and is fitted with a center drive unit.

It can transport light or heavy, regular and irregular shaped products and is an ideal solution for changing the conveying height.

Technical Data:

General technical data	Load capacity	25 to 125 kg/mtr.
	Conveying speed	10 -40m/min.
	Ambient humidity	≤90% (without condensation)
	Incline/decline	up to 5 degree
Carrier & Return Roller	Roller type	Free flow universal roller
	Roller diameter	Ø50mm~Ø60mm
	Roller material	Steel 1.5mm/3mm, zinc-plated
	Mounting pitch (for return roller)	1200 mm
	Mounting pitch (for top roller)	450mm
Drive	Rated Voltage	230~415V
	Electrical power	0.5kw~5.0kw
	Motor type	Gear motor
Belt	conveyor belt	Smooth, 2-layer, PVC, longitudinally grooved for incline
	Slider bed	Steel sheet 2mm

Dimensions:



BF	Between Frame:	600mm 800mm, 1000mm, 1200mm, 1500mm
TW	Total Width:	BF+100mm
TL	Module Length:	25000mm Max.
SG	Side guide:	Customize
H	Height:	700±50mm Adjustable *(700 to 2300 height available as per requirement)

Scope of supply:

- Module is completely assembled but not wired at factory.
- Side guide are customize.
- The combination of product color is customize.
- Leg supports are Included in complete module.

Order Information:

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Modular
Design



Beautiful
Appearance



Noise
Reduction



Clean
Environment



Heavy Load
Capacity



Customize
Speed



Easy
Maintenance



Impact
Resistance

Plastic Modular Belt Conveyor Straight



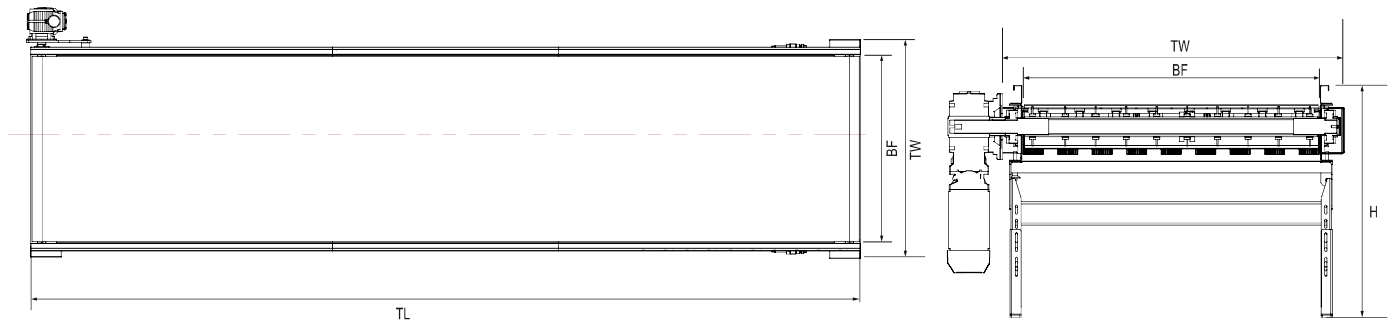
The Plastic modular belt conveyor is used to transport goods. The conveyor uses a smooth surface polypropylene belt supported by return roller.

It can transport light or heavy, regular and irregular shaped products and is an ideal solution. This type of conveyors can be used in food industry.

Technical Data:

General technical data	Load capacity	25 to 125kg/mtr.
	Conveying speed	10-30m/min.
	Ambient humidity	≤90% (without condensation)
	Incline/decline	Not suitable
Drive	Rated Voltage	230-415V
	Electrical power	1.5kw~5.5kw
	Motor type	Gear motor
Belt	conveyor belt	Polypropylene Modular belt, smooth surface
	Thickness	8.8mm

Dimensions:



BF	Between Frame:	600, 800mm, 1000mm, 1200mm, 1500mm
TW	Total Width:	BF+100mm
TL	Module Length:	3000 ~ 23000mm Max.
SG	Side guide:	Customize
H	Height:	700±50mm Adjustable *(700 to 2300 height available as per requirement)

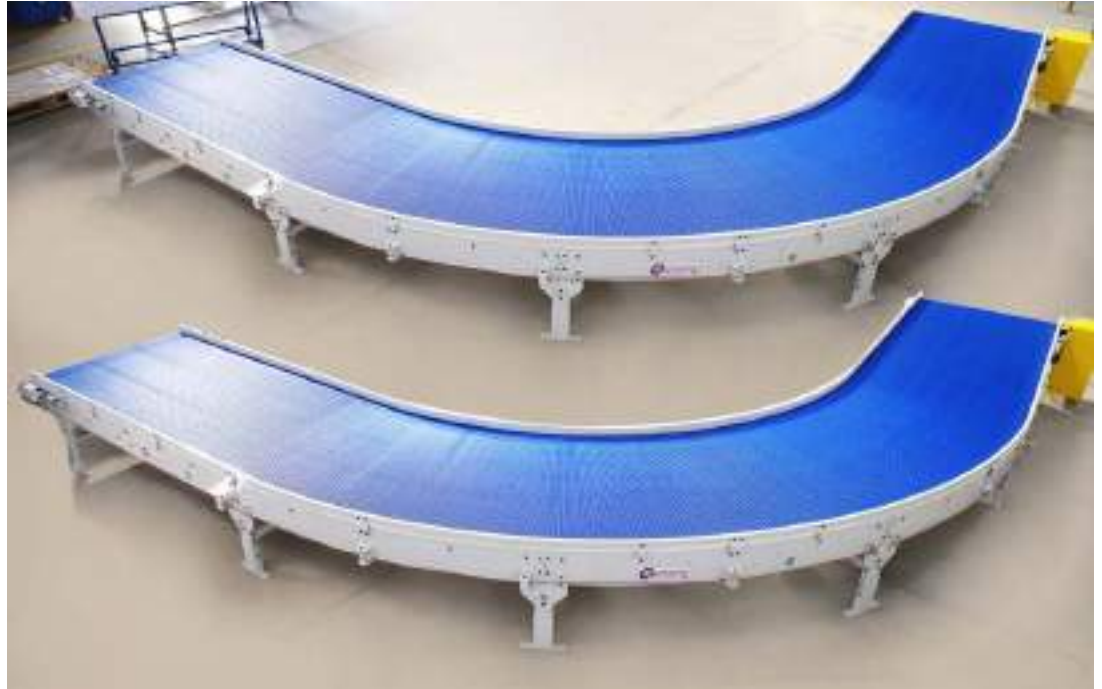
Scope of supply:

- Module is completely assembled but not wired at factory.
- Side guide are customize.
- The combination of product color is customize.
- Leg supports are Included in complete module.

Order Information:

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Plastic Modular Belt Conveyor Side-flexing



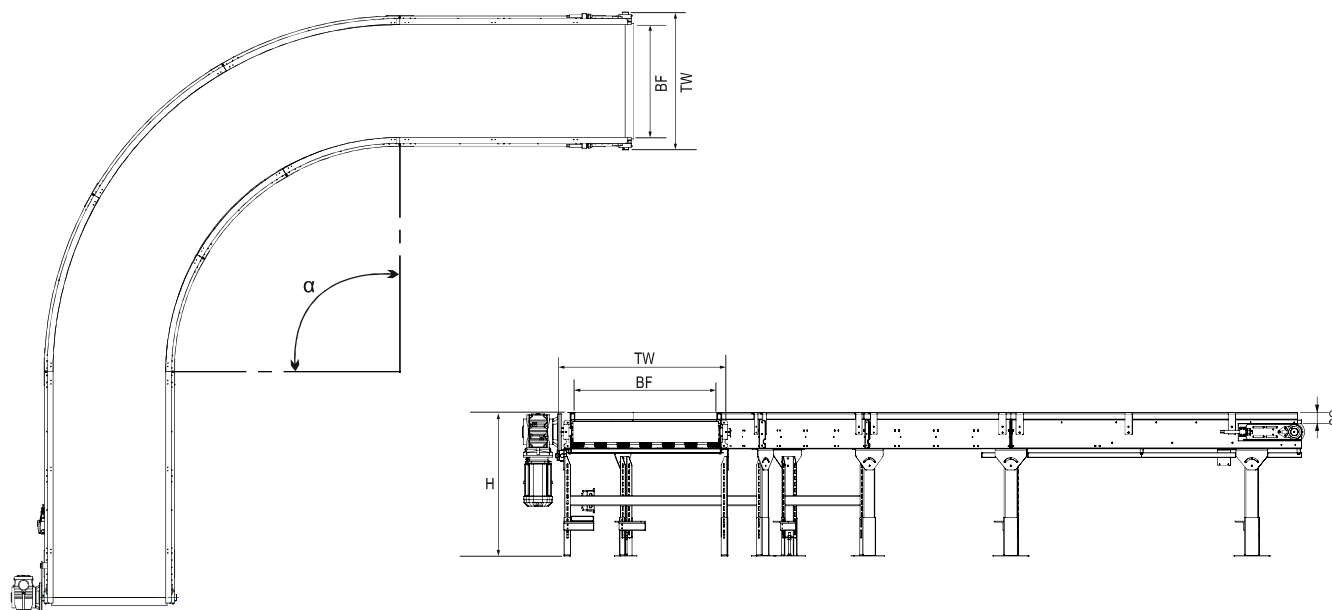
The Plastic modular belt conveyor is used to transport goods. The conveyor uses a smooth surface polypropylene belt supported by return roller.

It can transport light or heavy, regular and irregular shaped products and is an ideal solution. This type of conveyors can be used in food industry.

Technical Data:

General technical data	Load capacity	25 to 125kg/mtr.
	Conveying speed	10-30m/min.
	Ambient humidity	≤90% (without condensation)
	Incline/decline	Not suitable
Drive	Rated Voltage	230~415V
	Electrical power	1.5kw~5.5kw
	Motor type	Gear motor
Belt	conveyor belt	Polypropylene Modular belt, tight radius
	Thickness	13mm

Dimensions:



BF	Between Frame:	1000mm, 1200mm, 1500mm
TW	Total Width:	BF+100mm
TL	Module Length:	10000mm Max.
α	Angle:	30°, 45°, 60°, 90°
SG	Side guide:	Customize
H	Height:	700±50mm Adjustable *(700 to 2300 height available as per requirement)

Scope of supply:

- Module is completely assembled but not wired at factory.
- Side guide are customize.
- The combination of product color is customize.
- Leg supports are Included in complete module.

Order Information:

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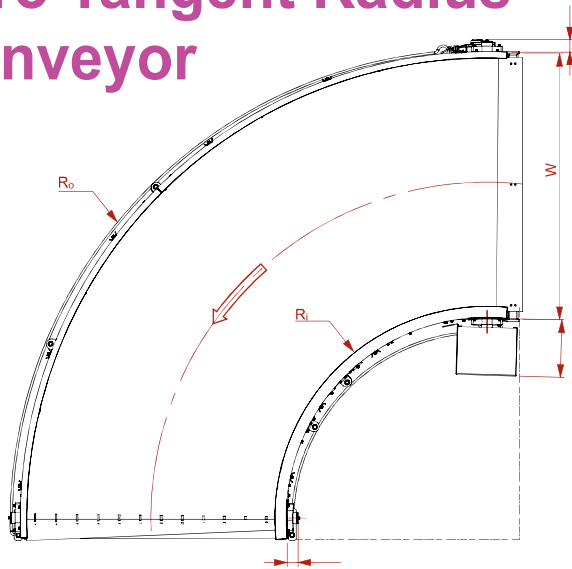
Zero Tangent Radius Conveyor



Suitable Solution For Fulfillment & Sort Centers



Zero Tangent Radius Conveyor

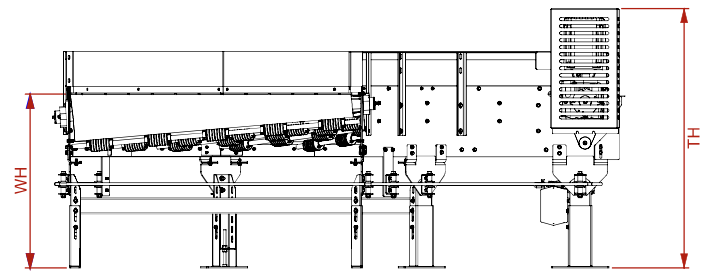


KEY TO SYMBOL

W	Working Width
R _i	Inner Radius
R _o	Outer Radius
WH	Working Height
TH	Total Height
A	Height Adjustment

LEG OPTIONS

A-	
B-	
C-	



Technical Data:

Dimensions	
Width (W)	600mm, 800mm, 1000mm, 1200mm, 1400mm, 1600mm
Curve	25°/45°/60°/90°/135°/180°
Height (WH)	600mm to 2400mm ±50mm
Inner Radius (R _i)	600mm, 800mm, 1000mm, 1200mm
Side guide Hight	Customize
Drive:	
Mounting of drive unit	Front side/Rear Side
Motor	SEW, KAF Series, IE-3, S1
Rating	0.55kw to 3.0kw
Load and Weight of Product	
Weight of Product	1Kg. to 50Kg. Max.
Loading Capacity	25 to 125Kg/mtr.
Conveying speed	10mtr/min. to 75mtr/min.
Equipment Working	8hours/3shift
Belt	
Belt type	Zero contact 520
Make	Movex Modutech
Material	PP(Poly-propylene), POM (Poly-acetyl)
Thickness	10.1mm
Bearing, Chain & Sprocket	
Flange bearing size	UCFL 208-D,40 (ID 40mm)
Bearing make	Movex
Sprocket	Movex Modutech ID 40mm
Wear Strip & Bearing	
Inner Side-guide Bearing	5201-2RS, Double row angular contact ball bearing
Bearing Diameter	OD 32mm & ID-12mm
UHMW Sheet (blue lub)	20mm-thickness.
Applications:	E- Commerce, Warehouse & Fulfillment Center, Parcel & Distribution Center, Separating Plastic, Metals, Inspection, Assembly lines, Manufacturing.

Scope of supply:

- Module is completely assembled but not wired at factory.
- Side guide are customize.
- The combination of product color is customize.
- Leg supports are Included in complete module.

Order Information:

Drop a Mail at : info@movro.com

ROBO-aDS5



Reduce Labor Cost



Increase Safety



Improve Accuracy



Reduce Operation
Cost & Manpower



Increase Efficiency



24/7 Operation &
Multi-Shift



Collaborative with Humans

System Overview

Automatic guided vehicles (AGV) are designed to perform their operations without direct human guidance. They are used in a wide variety of industrial applications and can be laser, initially, or Cartesian-guided. An automatic guided vehicle system (AGV's) consists of one or more computer-controlled wheel based load carriers (normally battery powered) that runs on the plant floor (or, if outdoors, on a paved area) without the need for an on board operator or driver.



Technical Specification

MODEL NO.	ROBO-aDS2 (AGV with Tilt Tray)	ROBO-aDS5 (AGV With Belt Conveyor)	ROBO-aDS50 (AGV With Jacking)	ROBO-aDS100 (AGV With Jacking)
Applications	Warehouse Intralogistics and Shipment Sorting	Warehouse Intralogistics and Shipment Sorting	Warehouse Intralogistics, Pallets & Racks Handling, Goods to Person.	Warehouse Intralogistics, Pallets & Racks Handling, Goods to Person.
DIMENSIONS				
Length	600 mm	600 mm	950 mm	1050 mm
Width	500 mm	500 mm	650 mm	850 mm
Height	750 mm (AGV - 250 mm + Conveyor Belt Top - 500 mm)	750 mm (AGV - 250 mm + Conveyor Belt Top - 500 mm)	270 mm	270 mm
Floor Clearance	30 mm	30 mm	30 mm	30 mm
Self Weight	75 kg	100 kg	175 kg	200 kg
Max Carrying Product Size	300 x 400 mm	500 x 600 mm	1220 x 1050 mm	1220 x 1050 mm
PAYLOAD				
Robot Payload	25 kg (maximum 5% incline)	50 kg (maximum 5% incline)	500 kg (maximum 5% incline)	1000 kg (maximum 5% incline)
Towing Capacity	25 kg (maximum 5% incline)	250 kg	1000 kg	2000 kg
SPEED AND PERFORMANCE				
Battery Running Time	8 hours	8 hours	8 hours	8 hours
Maximum Speed	Forwards: 1.5 m/s (5.4 km/h), Backwards: 0.5 m/s (1.8 km/h)	Forwards: 1.5 m/s (5.4 km/h), Backwards: 0.5 m/s (1.8 km/h)	Forwards: 1.5 m/s (5.4 km/h), Backwards: 0.5 m/s (1.8 km/h)	Forwards: 0.8 m/s (2.9 km/h), Backwards: 0.5 m/s (1.8 km/h)
Turning Radius	600 mm (around center of robot)	600 mm (around center of robot)	950 mm (around center of robot)	1050 mm (around center of robot)
POWER				
Battery	LIFE-PO4, 48 V, 12 Ah	LIFE-PO4, 48 V, 12 Ah	LIFE-PO4, 48 V, 24 Ah	LIFE-PO4, 48 V, 24 Ah
Charging Time	1 hour (10% to 90%) at Charging station, 2 hours (10% to 90%) with cable charger	1 hour (10% to 90%) at Charging station, 2 hours (10% to 90%) with cable charger	1 hour (10% to 90%) at Charging station, 2 hours (10% to 90%) with cable charger	1 hour (10% to 90%) at Charging station, 2 hours (10% to 90%) with cable charger
External Charger	Input: 100-230 V ac, 50-60 Hz, Output: 48 V, max 12 A	Input: 100-230 V ac, 50-60 Hz, Output: 48 V, max 12 A	Input: 100-230 V ac, 50-60 Hz, Output: 48 V, max 25 A	Input: 100-230 V ac, 50-60 Hz, Output: 48 V, max 25 A
COLOR				
RAL Color	Grey RAL-7016 , Orange glossy HGS 2302	Grey RAL-7016 , Orange glossy HGS 2302	Grey RAL-7016 , Orange glossy HGS 2302	Grey RAL-7016 , Orange glossy HGS 2302
ENVIRONMENT				
Ambient Temperature Range	(+)5°C to 50°C (humidity 10-95% non-condensing)	(+)5°C to 50°C (humidity 10-95% non-condensing)	(+)5°C to 50°C (humidity 10-95% non-condensing)	(+)5°C to 50°C (humidity 10-95% non-condensing)
COMMUNICATION				
WiFi	Dual-band wireless AC/G/N/B	Dual-band wireless AC/G/N/B	Dual-band wireless AC/G/N/B	Dual-band wireless AC/G/N/B
NAVIGATION				
Navigation Method	QR Code	QR Code	QR Code	QR Code
Positioning Accuracy	(+/-) 50 mm / 2 in of position, (+/-)10 mm / 0.4 to docking marker	(+/-) 50 mm / 2 in of position, (+/-)10 mm / 0.4 to docking marker	(+/-) 50 mm / 2 in of position, (+/-)10 mm / 0.4 to docking marker	(+/-) 50 mm / 2 in of position, (+/-)10 mm / 0.4 to docking marker
SENSORS				
SICK Safety Laser Scanner	Sick safety multibeam scanner scanGrid2, Scanning angle 150°. Protective field 1.1 m, Warning field 4 m.	Sick safety multibeam scanner scanGrid2, Scanning angle 150°. Protective field 1.1 m, Warning field 4 m.	Sick safety laser scanner nanoscan 3, Scanning angle 275°. Protective field 3 m, Warning field 10 m.	Sick safety laser scanner nanoscan 3, Scanning angle 275°. Protective field 3 m, Warning field 10 m.
3D Camera (Optional)	3D camera Intel RealSense™ Detection of objects ahead, 50-500 mm above floor	3D camera Intel RealSense™ Detection of objects ahead, 50-500 mm above floor	3D camera Intel RealSense™ Detection of objects ahead, 50-500 mm above floor	3D camera Intel RealSense™ Detection of objects ahead, 50-500 mm above floor

(Note) All above information shall be changed without prior notice, Muvro reserves the right to explain and update the latest information.

Order Information:
Drop a Mail at : info@muvro.com



Model : ZS2

ZedSort™

EFFICIENT

SMART

OPTIMUM

Muvro High Speed Cross-Belt Sorter Systems

Muvro is a reliable industry leader for intralogistics and automation technology. We provide users with cutting-edge, advanced solutions while still prioritizing long-term sustainability. After substantial exploration, careful iteration testing and extensive logistical research; Muvro is proud to present its newest foray into the logistics and supply chain solution sector- ZedSort, a high-speed cross-belt sorter.

Our innovative and dynamic ZedSort is equipped with a wide variety of powerful features that could potentially revolutionize your shipment sorting process and intralogistics challenges. Our ZedSort can significantly increase the efficiency of your business's overall intralogistics processes, decrease noise, reduce costs and much more; with a significantly lower error rate than ever before.

Muvro's ZedSort is one of the best choices for any industry with intelligent sorting equipment requirements. Powered by linear synchronous motors with silent running and sorting carts with servo roller drive, our cross-belt sorter is capable of handling various loads of a wide variety of shapes, sizes and heights.

Primarily developed for automation and logistics business verticals, our scalable and modular solutions are highly integrated, specialized and customized to the requirements and preferences of each customer. Therefore, Muvro's latest ZedSort cross-belt sorting solutions are a must-have for any business with intralogistics requirements.

Muvro's relentless and continuous focus on innovation, simplicity and value creation has catalyzed the development of yet another ingenious addition to the automation and logistics industry.

Horizontal Cross Belt Sorter Features



linear synchronous Drive

- Highly efficient direct drive linear synchronous motor technology.
- Drastic reduction in noise from the system as compared to rotary drive.
- No friction
- Accurate velocity control for high precision parcel/luggage loading and unloading.
- High performance line set.
- Guiding device for the secondary plate with bilateral type drive.
- Highly efficient heat exhaust technology.
- Easy to use, easy to maintain and modular system.



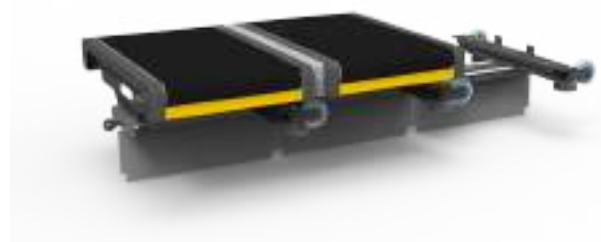
Quiet Operations

- Silent operation at high speed thanks to its Modular, light and precision chassis.
- Precision machined wheels Long service life thanks to hard-wearing material.
- Precision craftsmanship is also a key factor in its silence under 70Db,
- Muvro has modern straight of art manufacturing facility where the future sorters manufactured.



Cross belt Cart

- Full Cross Belt allow more space for active carrier.
- Quick Start Stop with encoder feedback enables accurate packets positioning.
- Positional feedback by encoder.
- Directs drive Servo roller.
- Wide Speed Range.
- Low noise
- Highly efficient.
- Low voltage 48DC Control and RS-485 Communication.
- Modular Structure.
- Quick Replacement and easy to maintain.



Modular Carrier and Cart

- Modular and Flexible Design. Cross Belt cart can be replaced quickly.
- Carrier can be configured with one cart , two cart ,3 cart per carrier.
- The Crossbelt Sorter can be configured with two load cells per carrier.
- Space-saving, Expandable modular design can be easily integrated with existing systems and extended, if necessary.



ZedSORT™ - The Lin

Linear Cross Belt Sorter

Muvro Presents Linear Sorter from New Generation **ZedSORT™** Platform, **ZedSORT™** is Futuristic, Modular, Flexible and Reconfigurable Crossbelt sorting system. In this platform Muvro have two types of sorters loop sorter and Linear sorter. Linear sorter is named as **ZedSORT™- Lin**.

ZedSORT™ Lin is New Generation high speed linear cross belt sorter, which offer 14000 Packets sorting per hours in compact space. This can sort parcels, zippy, poly bags, paper bags, carton Boxes and totes. The linear sorter can sort everything reliably and efficiently.

ZedSORT™ Lin modularity allows it's to reconfigure for future growth, thanks to its flexible and modular design as its infeed's and outfeed chutes can be relocates as per requirements. Top loading infeed and side loading infeed options are available and customs designed for specific discharges points as per the size and shape of packets.

Features



Space Saver



Low Noise



Cost Effective



High
Performance



Easy
Installation



Minimal
Maintenance

Max. width of the
conveyed material

500 mm

Double tray with a length
of up to

1000 mm

Weight of conveyed
material

0.1-30 kg

Sorting speed

2 m/s

Carrier throughput
per hour max.

14,000



Energy Efficient **ZedSORT™** Lin is powered by mechanical positive drive mechanism with 90 percent efficient drive, which allows energy savings up to 50 percent, compared to linear motors used in other sorting Systems. this makes our Crossbelt sorter an efficient solution.

Easy access to destinations The **ZedSORT™** Lin vertical Crossbelt sorter featured with narrow carrier pitch to ensure highest throughput at 2 m/s speed. Muvro sorter is ideal for lightweight and fragile goods. the destinations of the vertical sorter are directly accessible from both sides. they are designed with maximum density and tailored to the sizes, shapes, weights, etc., of the packets loads. Additionally, a re-circulation conveyor line can be integrated to automatically return goods which is not discharged at the allocated chutes.



X-PTS

HIGHLY-EFFICIENT ROBOTIC PREPARATION SOLUTIONS



GREAT STORAGE FLEXIBILITY

- Crates, trays and boxes mixable in the same aisle.
- Single- or dual-storage format, up to six deep, of shelves that can be compartmentalised into several cells.
- System operating in ambient temperature, refrigerated and freezing environments.

SYSTEM DENSITY

- Compact structure: low height of tier step and inter-load differences.
- Very high storage density that can reduce warehousing volume.

HIGHLY EFFICIENT PREPARATION

- High-speed aisles capable of achieving a combination of 1100 infeeds and outfeeds per hour.
- Ergonomic work stations for rates up to 900 order lines per hour.

MAXIMUM AVAILABILITY

- Aisles divided into several isolated, secure areas so that work can continue without stopping in the adjacent areas.
- Control automatically takes into account maintenance work on part of the system, activations/deactivations of pick stations, etc. so that the system can continue to operate.

OPTIMUM CONTROL

- Scheduling algorithms balancing the activity of different components and the optimum use of the system.
- Full supervision cockpit to visualise and control the activity.
- Stock image guaranteed by different inventory logics.
- Automatic adaptation to changes in the rotation class of items.

APPLICATIONS

Several logistics processes can be incorporated, from the retail preparation to stacking full boxes onto pallets via restocking manual picking areas.



RETAIL PREPARATION



PREPARATION
OF FULL PACKAGES



MIXED MODE: RETAIL
PREPARATION AND PALLET
STACKING BUFFER

X-PTS

CLASSIC VERSION



X-PTS SHUTTLES

Bi-format gripper 600x400 mm and 300x300 mm

Compatible units	Bins, plates, boxes
Mini sizes	300x300x55 mm
Maxi sizes	620x420x425 mm
Storage depth	From 2 to 6 depths
Maxi weight	32 kg

X-PTS

FLEX VERSION



Telescopic gripper with dynamic width adjustment

Compatible units	Bins, plates, boxes
Mini sizes	265x265x55 mm
Maxi sizes	620x420x425 mm
Storage depth	From 2 to 4 depths
Compactness	Automatic adaptation from 4 to 6 of the number of lanes per bay
Maxi weight	32 kg

X-PTS

DEEP FROZEN VERSION



Operation down to -28°C

Compatible units	Bins, plates, boxes
Mini sizes	300x300x55 mm
Maxi sizes	620x420x425 mm
Storage depth	From 2 to 4 depths
Maxi weight	32 kg

X-PTS

EXTENDED VERSION



Gripping of LARGE FORMAT units up to 820x620 mm

Compatible units	Bins, plates, boxes
Mini sizes	620x420x55 mm
Maxi sizes	820x620x425 mm
Storage depth	Double-deep
Maxi weight	55 kg

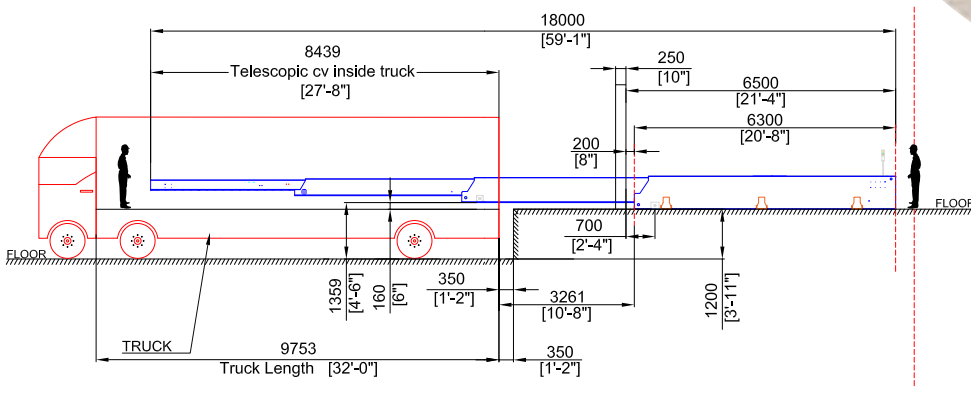
TELESCOPIC CONVEYOR

It's two times faster than manual handling to loading/unloading trailers and trucks.

Muvro telescopic belt conveyor can improve the working efficiency of your employee. Adopting the designment of Ergonomics, can improve the working environment, reduce labour intensity, and help you to cut the time reduce cost.

Industry-leading technology in capacity for extension.

SECTION	FIXED LENGTH	CONVEYOR EXTENSION
3 Section	7.5 mtr.	16 mtr.
4 Section	6 mtr.	16 mtr.
5 Section	7.5 mtr.	21 mtr.





● **Cut unloading time in half**

Fast loading and unloading---two times faster than manual handling.

● **Improve the level of transport capacity**

Reduce the waiting time of trailer minimize the turnover time.

● **Improve the working environment**

Minimize the up and down handling work of manpower, because the operator can extend the telescopic belt conveyor and rise/drop to the appropriate position.

● **Short period of investment payback**

More than 16000 pieces of goods can be loaded or unloaded everyday. it was proved by practice that the invest returns are usually obtained in less than two years.

● **Tailored according to the requirement**

A variety of functions can be configured for the telescopic belt conveyor, such as : hydraulic lifting, high power lifting, auxiliary power lifting device. the whole machine even can be moved parallel between a few doors through the ground rails, so as to maximize the use of equipment.

OTHER PRODUCTS

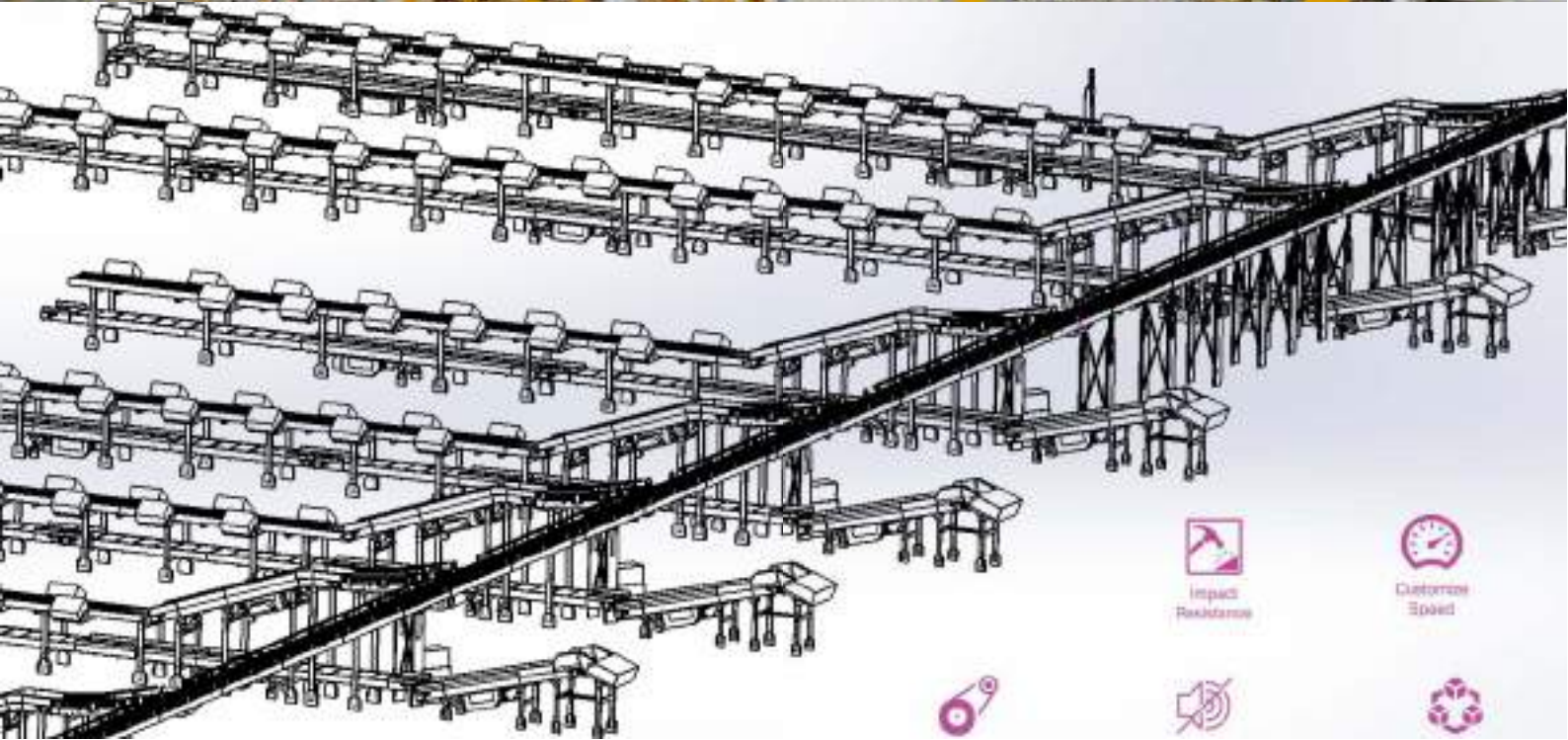
- ▶ Chain Conveyor System
- ▶ Sorting System
- ▶ Automated Guided Vehicle
- ▶ Manipulators
- ▶ ASRS
- ▶ Rail Guided Vehicle
- ▶ In Process Verification System
- ▶ Stuffing Lift Tables
- ▶ Pick/Put to Light System
- ▶ Warehouse Automation

USER INDUSTRIES

- ▶ Automobile
- ▶ Engineering
- ▶ Pharma
- ▶ Steel
- ▶ Tire Industry
- ▶ Assembly Line
- ▶ Warehouse Automation
- ▶ Parcel & Distribution
- ▶ Vehicle manufacturing System



MUVRO



Advance Tote Sorting Solutions



MUVRO Technologies Pvt. Ltd.

🏠 Manufacturing Unit:

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NH-34, Ghaziabad (U.P.) -201003, INDIA.

📞 Contact Information:

+91120-2675555-56

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🌐 www.muvro.com

MT-MKT-PRO-02, V1.1



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