



## Rollers and Spares

### Optimise Your Operating Efficiency with our Rollers and Parts Service Guarantee

We have also gained a reputation for supplying high quality competitively priced rollers and spares to all aspects of the material handling industry. Our products are used by blue-chip companies in the UK and throughout Europe.

We have a high degree of standardisation in our systems which means we can guarantee a particularly rapid and reliable spare parts service to meet the end-users' needs with speed and ease. Furthermore, by buying replacement parts from the original equipment manufacturer you are helping to ensure that the equipment stays in prime condition, optimizing the operating efficiency of your system.

### Rollers

We are not only the largest conveyor manufacturer in the UK, but also the largest roller manufacturer, producing in excess of half a million rollers every year.

We source and purchase only the best raw materials directly from the mills, and in vast quantities - in excess of 200km of 50mm diameter steel tubing every year. This means that not only does it allow us to constantly meet order commitments, but it also makes our pricing extremely competitive.

Our range of rollers includes: Gravity Rollers, Plastic Rollers, Stainless Steel Rollers, Grooved Rollers, Tapered Rollers, Sprocketed Rollers, Belt Conveyor Rollers, as well as an extensive range of specialised rollers.

### Spares

We also produce an extensive range of stock components, again competitively priced, for Powered Roller Conveyors, Pallet Conveyors, Gravity Conveyors and Belt Conveyors, with all plastic conveyor components injection moulded here on site.

Please give us the opportunity to quote all your roller and spares requirements. We can guarantee: -

- **Competitive prices.**
- **Fast turnaround.**
- **Extensive product range.**
- **Excellent customer service.**



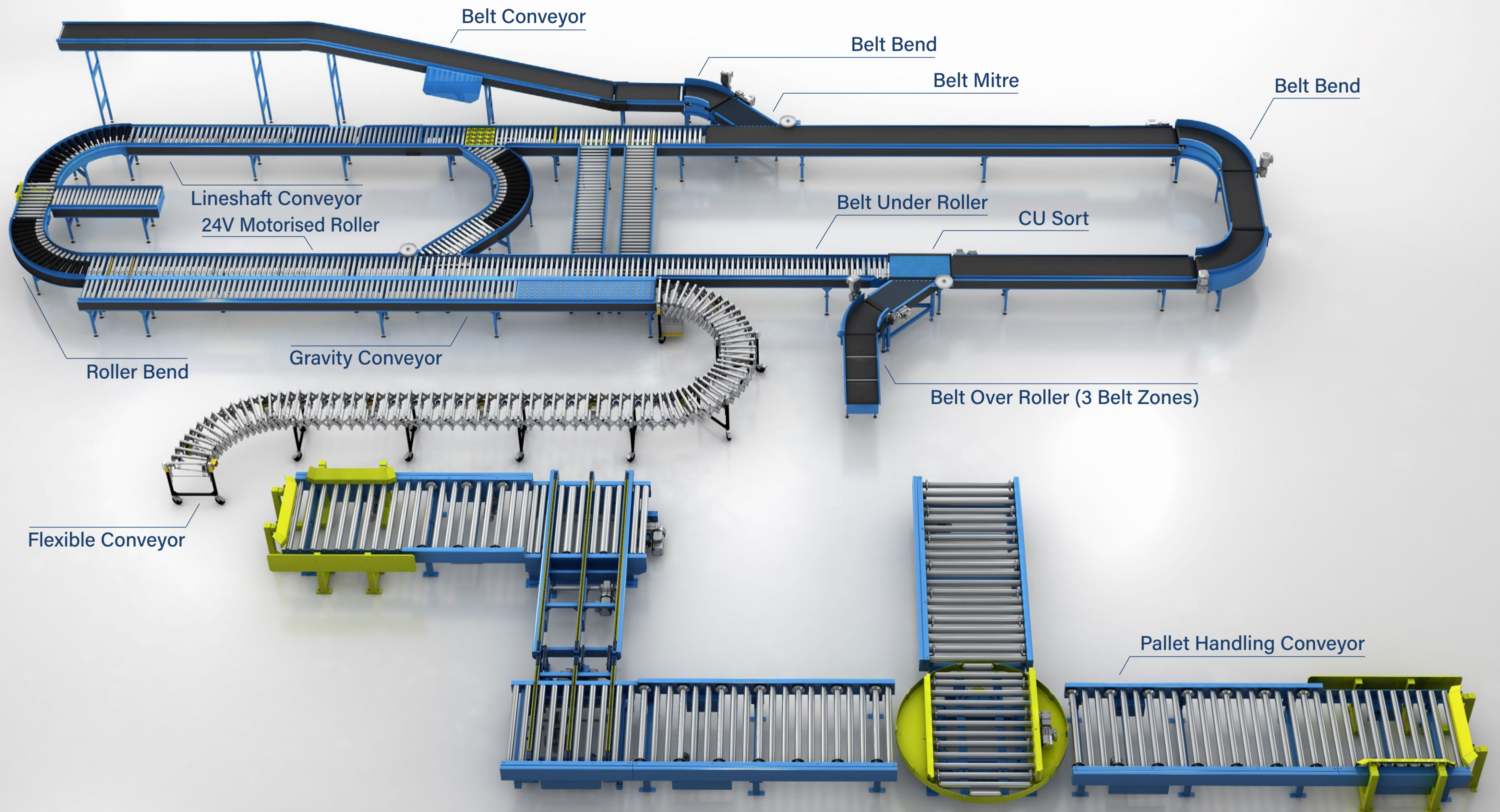
# Our business is moving yours.



**CONVEYOR UNITS**

QUALITY • PERFORMANCE • RELIABILITY





## Range Overview

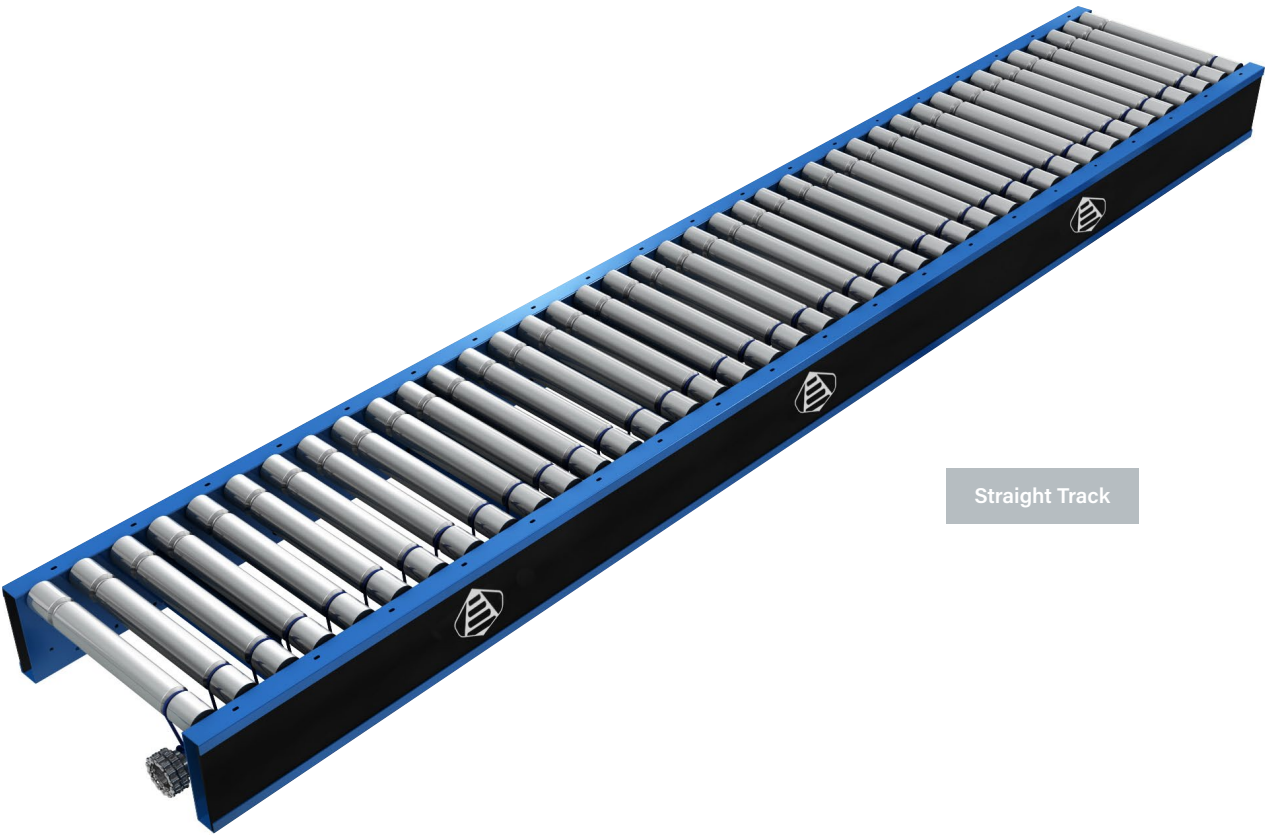
### Introduction

Conveyor Units range of conveyors has been integral to thousands of turnkey solutions for some of the most demanding and successful companies across Europe. It is renowned for the robustness of its design, with quality being reflected in a distinct durability in the field. Furthermore, the modularity of our conveyor design offers extreme flexibility and simplicity for totally integrated systems. It has been engineered and manufactured in Britain since 1963, resulting in nearly six decades of engineering development and excellence, which today, makes it one of the best known trademarks in conveyor manufacture.

### Facts

- UK's largest conveyor manufacturer.
- 200,000 sq. ft. manufacturing plant on a 7 acre site.
- 2 million rollers manufactured every year.
- 40 km of conveyor produced each year.
- Over a third of conveyor orders shipped overseas.



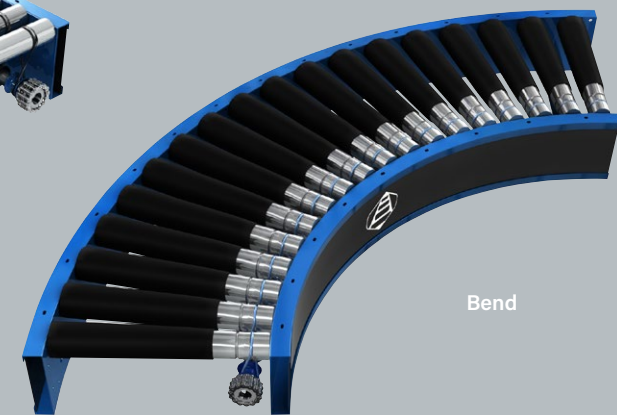
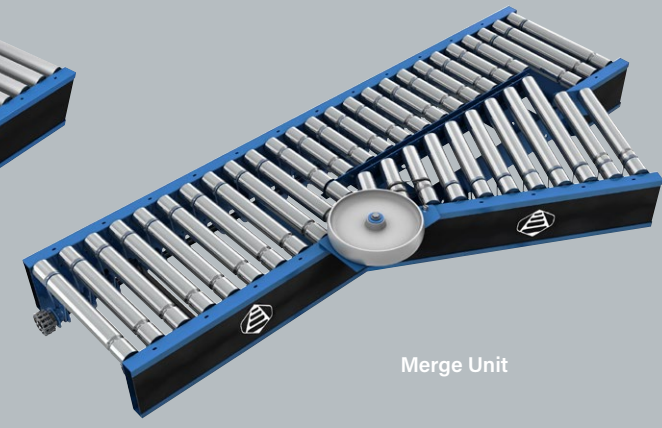
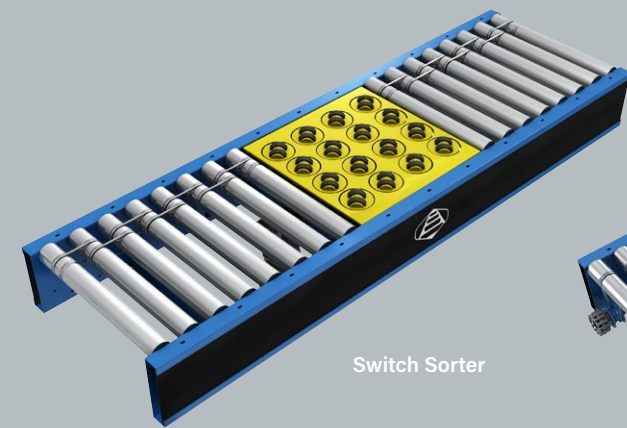


# Lineshaft Powered Roller Conveyor

- The most versatile and economical conveyor available in material handling.
- The more complex the configuration of conveyors, the fewer drives are required compared to conventional equipment.
- One of the unique advantages of Lineshaft Powered Roller Conveyor is the number of ancillary modules which can be driven from one motor by means of couplings and universal joints.
- Easily reconfigured to meet current demands and future challenges.

Key Features	Benefits
Modular design.	Proven product, highly configurable, easy and reduced installation with low maintenance. Allows for a variety of arrangements to be made from standard components.
Ability for transportation and accumulation on the same conveyor system.	Versatility / adaptability in product handling. Reduced costs in installation, maintenance and power consumption.
Fewer motors required.	Reduced costs in installation, maintenance and power consumption.
Ability to include ancillary items.	Highly adaptable / versatile and cost-efficient.
Accumulation.	Reliable accumulation thus eliminating product damage. Easily reconfigurable if further ancillary items are added.
Quiet.	Reduced noise is more conducive to good working environment.
Heavy duty drive belts on bends, merges and mitres.	Increased driving capacity.

**Ancillary modules include:**  
Bends  
Switch Sorters  
Lift Up Gates, Merges  
Stops  
Line Brakes  
Transfers  
90° Roller Junctions  
**Available in:**  
Powder coated as standard



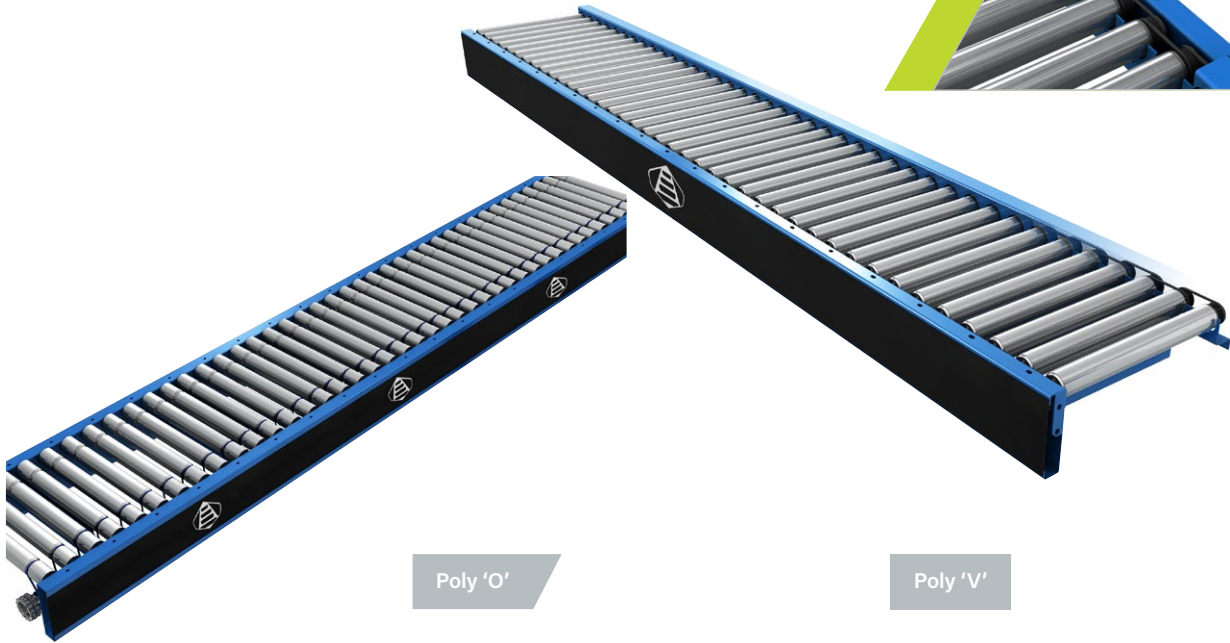
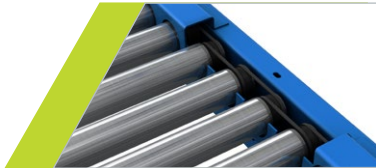
**XU30 / XU30S**  
Light Duty

**XU60**  
Medium Duty

**XU90**  
Heavy Duty

Drive Capacity Per Roller	Roller Diameter	Roller Pitch	Standard Track Widths	Standard Speeds (metres per minute)
4kg (3mm dia. belt)	35mm	37.5mm	412mm, 462mm, 512mm, 612mm, 762mm	16 / 21 / 26 / 31
8kg (4.75mm dia. belt)	50mm	75mm, 100mm or 150mm	412mm, 462mm, 512mm, 612mm, 762mm, 912mm	16 / 21 / 26 / 31
12kg (5.3mm dia. belt)	50mm	75mm, 100mm or 150mm	As above XU60	15 / 18 / 24 / 28 / 33





Poly 'O'

Poly 'V'

# Motorised Roller Conveyor

■ We offer a variety of 24V Zero Line Pressure solutions to enable you to select the perfect system for your application.

## Poly 'O'

- A low maintenance conveyor due to minimum moving parts.
- Offers extreme versatility in the transportation of various totes / cartons whilst providing ultra efficient accumulation.

Key Features Poly 'O'	Benefits
Modular design.	Proven product, highly configurable, easy and reduced installation with low maintenance. Allows for a variety of arrangements to be made from standard components.
Low voltage 24DC brushless motorised drive rollers.	Low energy consumption providing energy efficient conveying. Low noise.
Run on demand.	Energy conservation. Increases component life.
Zero line pressure accumulation	No contact between loads. Eliminates product damage from pressured accumulation.
Plug and play options / photocells.	Pre mounted and pre wired electrical components, resulting in reduced electrical installation times and costs.
Complete or partial integration of accumulation modules.	Allows for transportation or accumulation as required.

## Poly 'V'

- Increased torque transmission for heavier loads / more positive drives.
- Can be used for course zero line pressure, back filling accumulation or simple transport.

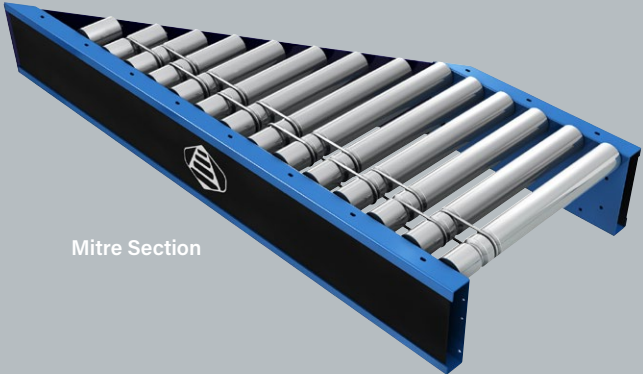
Key Features Poly 'V'	Benefits
Multi ribbed Poly 'V' belts.	2 or 3 ribbed belts available for optimum drive transmission.
Greater torque transmission.	This means heavier loads can be handled, or longer zones from fewer motorised rollers.
Just one motor roller for very long runs.*	Energy conservation. Increases component life.

\* Load / speed dependant

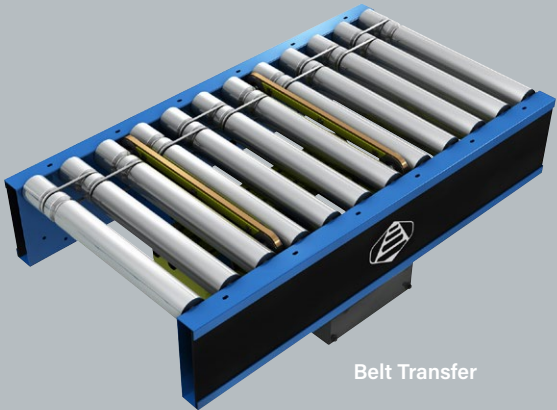
**Poly 'O' and Poly 'V' available in:** Powder coated as standard.  
Transport Conveyor and Zero Line Pressure Conveyor both available.



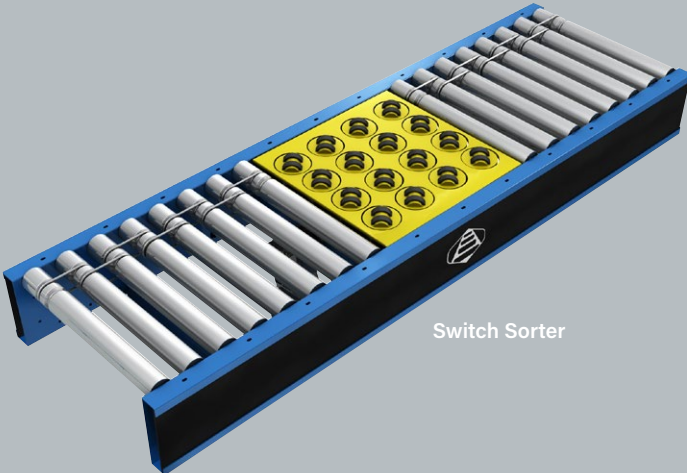
Bend



Mitre Section



Belt Transfer



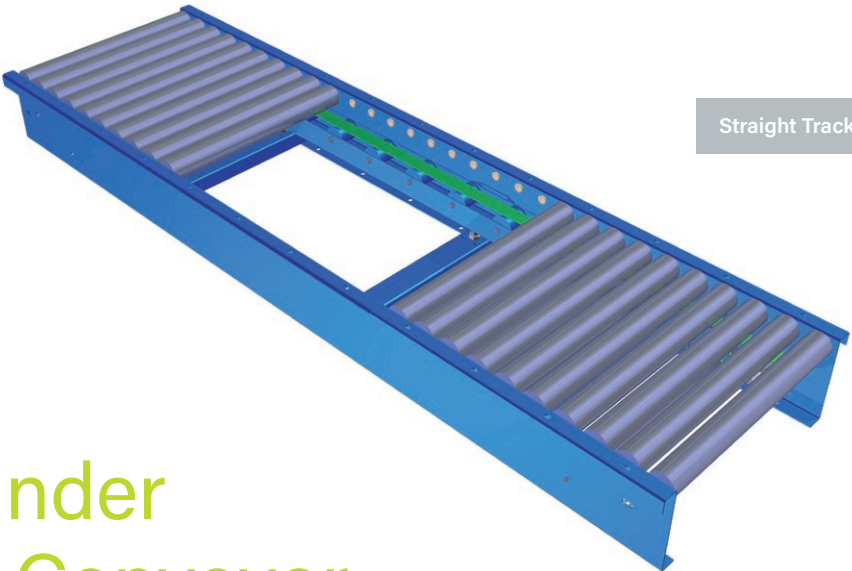
Switch Sorter

MOTORISED ROLLER CONVEYOR POLY 'O'	Drive Capacity Per Roller	Roller Diameter	Roller Pitch	Standard Track Widths	Standard Speeds (metres per minute)
	5kg per roller	50mm	60mm, 75mm, 100mm and 150mm	412mm, 462mm, 512mm, 612mm, 762mm and 912mm	Up to 90
MOTORISED ROLLER CONVEYOR POLY 'V'	Drive Capacity Per Roller	Roller Diameter	Roller Pitch	Standard Track Widths	Standard Speeds (metres per minute)
	Application Specific	50mm	60mm, 75mm, 100mm and 150mm	412mm, 462mm, 512mm, 612mm, 762mm and 912mm	Up to 90
For heavier loads and higher speeds, please contact our Sales Office.					

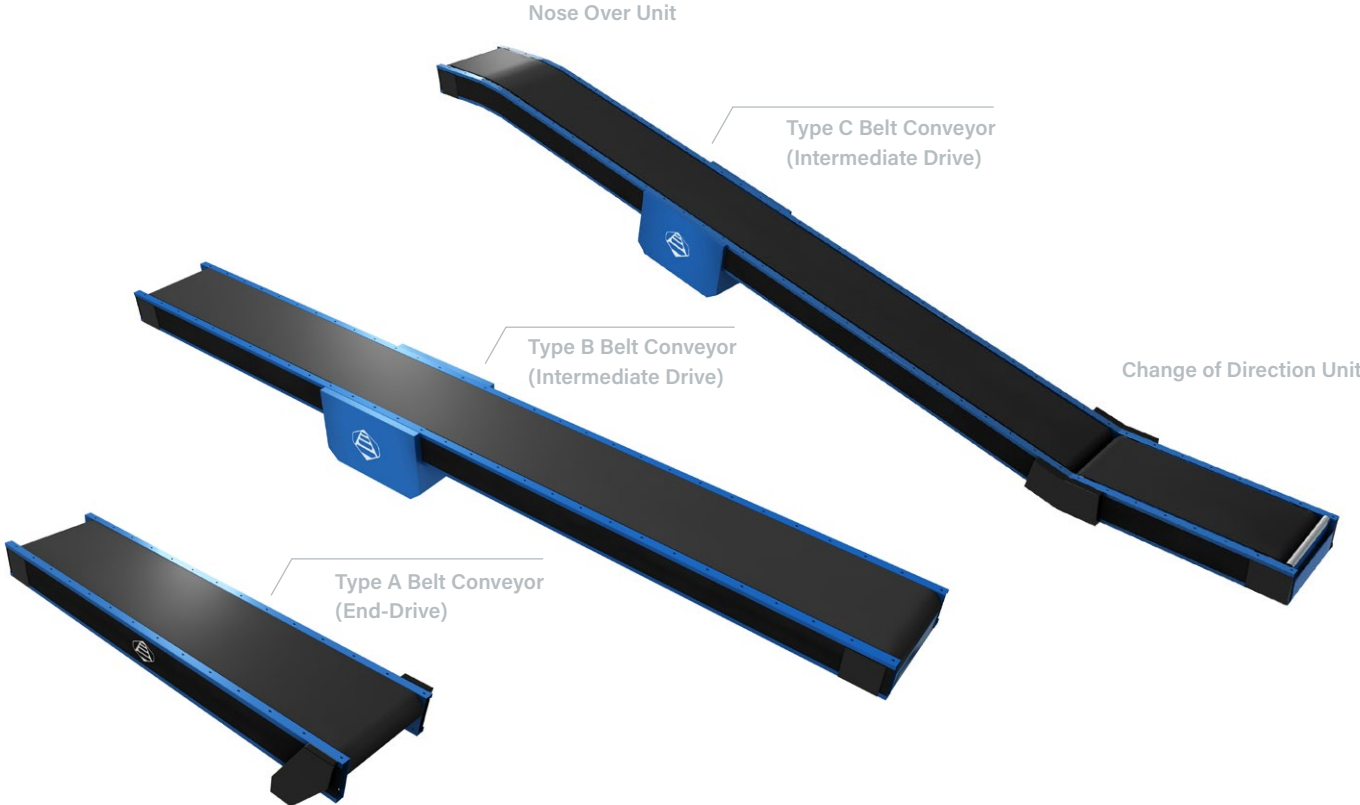








Straight Track



# Belt Under Roller Conveyor

- Versatility of transporting or accumulating with the option to upgrade from one to the other.
- Can achieve exceptionally high throughput rates.

Key Features	Benefits
Modular design.	Proven product, highly configurable, easy and reduced installation with low maintenance. Allows for a variety of arrangements to be made from standard components.
Integral photocells.	Quicker installation and wiring. Reduced costs.
Ability to transport or accumulate with the option to upgrade from one to the other.	Increased capacity of your conveyor system.
Buffering of totes and cartons WITH contact between products, but WITHOUT line pressure.	Offers maximum system throughput rates.
High speed.	Faster, higher throughputs.
Quiet.	Reduced noise is more conducive to good working environment.
Multi-functional.	Conveying or accumulating.

**Ancillary modules include:**  
Stops  
Line Brakes

**Available in:**  
Powder coated as standard

# Belt Conveyor

- For careful and extremely low noise conveying – horizontal or incline / decline.

Key Features	Benefits
Modular design.	Proven product, highly configurable, easy and reduced installation with low maintenance. Allows for a variety of arrangements to be made from standard components.
Fully reversible option (with intermediate drive).	Greater versatility with the intermediate drive.
Fewer number of components with reduced adjustments.	Low initial cost, reduced spare parts cost, ease of installation and maintenance.
Roller bed.	Lowers power requirement, conserves energy.
Slider bed.	Quiet operation, smooth transportation.

**Ancillary modules include:**  
Mobile Units  
Pop-Out Rollers  
Change of Direction  
Nose Over Units  
End Drive / Intermediate Drive  
Comprehensive range of belt types

**Available in:**  
Powder coated as standard

BELT UNDER ROLLER CONVEYOR

Drive Capacity Per Roller	Roller Diameter	Roller Pitch	Standard Track Widths	Standard Speeds (metres per minute)
4.5kg	50mm	75mm, 100mm and 150mm	412mm, 462mm, 512mm, 612mm, 762mm and 912mm	12 / 15 / 18 / 25 / 29 / 43 / 49 / 55 / 69 / 86 / 107

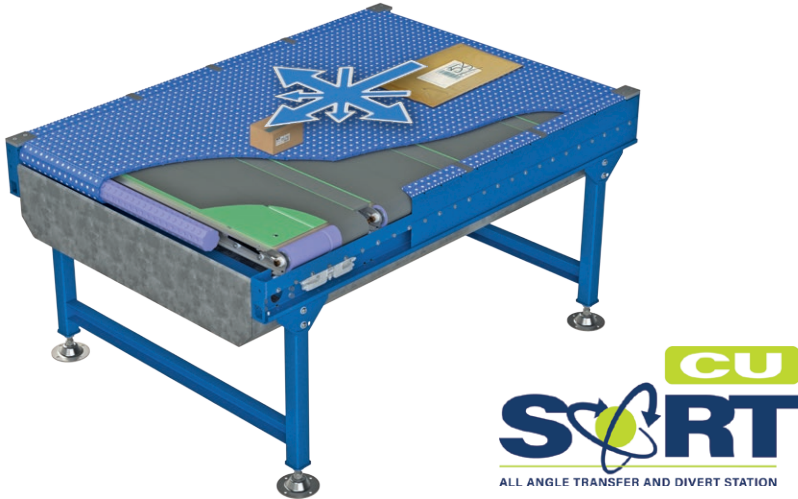


BELT CONVEYOR

Load	Belt Widths ITW, minus 62mm	Standard Speeds (metres per minute)
Up to 25kg per metre	350mm, 400mm, 450mm, 550mm, 700mm and 850mm	16 / 21 / 26 / 31



# CU Sort



- The versatile and scalable transfer and sortation module targeted at e-commerce business requirements.
- It uses a unique multi-belt-system for sorting all your small e-commerce products at all angles and in all directions.

Key Features	Benefits
Small ball pitch (only 25mm).	Integral freely rotating balls allow products to be directed and sorted in any direction. Close ball pitch allows small and flexible packages like jiffy bags as small as 100mm to be transported with ease. Fully integrated ball sockets ensures high tensile strength and resistance to dirt and contaminants.
High throughput with multiple belts.	Increases your sort rates.
Weight of product(s).	Up to 30Kg.
Truly versatile.	Being able to divert and merge in products from all angles up to 90 degrees. Can be introduced into existing systems.
All 24V.	No pneumatics, easy controls integration and low energy consumption.
24V Divert Belt Drive Rollers.	High transmission rubber lagged roller with tracking groove.
24V Network Control Modules.	Each with 2 x M8 motor ports and 2 x M8 sensor ports (2 x inputs per sensor port).
24V NonaDrive Technology. (Patent Pending)	Unique nine sided 24V dual-drive ensures positive direct-drive of the modular belt. Modular ball belt moves truly synchronously with the drive for more accurate product positioning / tracking.
Low Noise.	Ensures user satisfaction.
Low Friction Bed.	Supported by rigid marine ply deck under each divert belt.
Divert Belt Conveyors.	Robust dual ply textured cross belt drive sections of balls to move product left or right.
Active Side Guide.	Contain balls in contact with divert belt to ensure small or light product is fully diverted off the sorter.
Divert Belt Tensioning.	Tensioning is automatically maintained with gas springs.

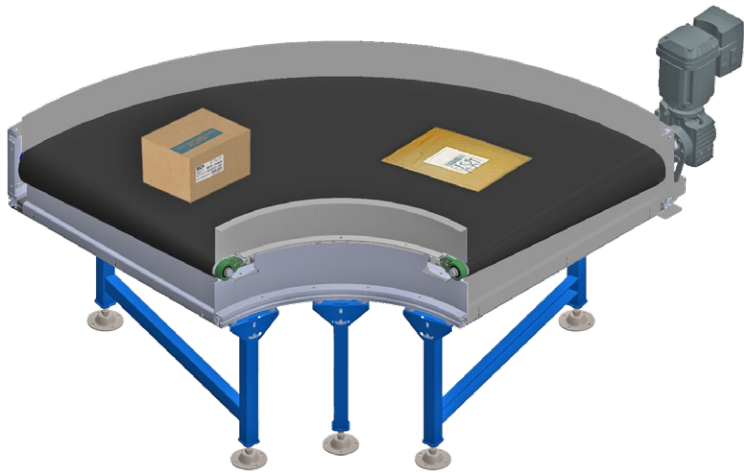
Module Width mm	Module Length mm			
	Single Divert Belt mm	Double Divert Belts mm	Triple Divert Belts mm	Quad Divert Belts mm
406 Single Motor NonaDRIVE	762 Long	1067 Long		
	914 Long			
557 Single Motor NonaDRIVE	762 Long			
	914 Long	1067 Long	1524 Long	1982 Long
	1067 Long			
711 Dual Motor NonaDRIVE	914 Long	1067 Long	1524 Long	1982 Long
	1067 Long			
863 Dual Motor NonaDRIVE	1067 Long	1067 Long	1524 Long	1982 Long
940 Dual Motor NonaDRIVE			1524 Long	1982 Long
1016 Dual Motor NonaDRIVE				1982 Long

# Belt Bend

- A belt bend module designed for e-commerce and post and parcel distribution requirements.
- Ideal for transporting a wide variety of packages large and small.

## Key Features

30 deg, 45 deg, 60 deg and 90 deg options available.
Product weights up to 80Kg per M.
Easy maintenance.
Low noise.
Can be reversed.
Drive Technology: SEW hollow shaft, side mounted geared motor 230/400V.
Speeds: Up to 120 m/min.
Belt: Polyester with PVC top, single piece belt, pre-joined with vulcanised joint. Easily replaceable thanks to unique "pull-to-release" swivel bearings which retain the belt bead.



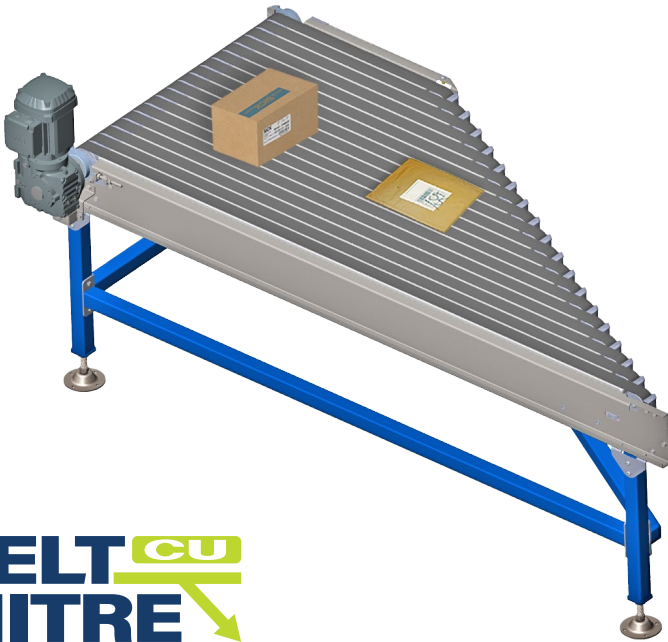
ITW	Angles	Outside Radius (mm)	Inside Radius (mm)
1012	30° 45° 60° 90°	1674	560
912		1574	560
762			710
612			860
512		1224	610
462			660
412			710

# Belt Mitre

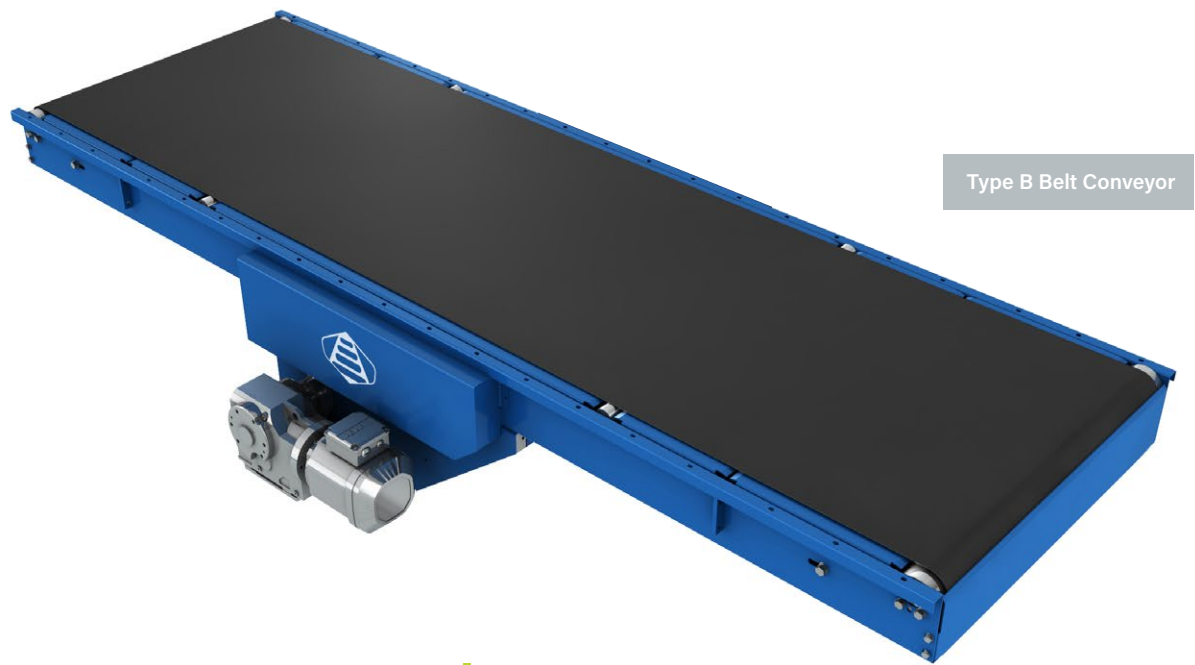
- A merge/divert module designed for e-commerce and post and parcel distribution requirements.
- Multiple strip belts are used to convey small and larger products off or on to conveyor lines.

## Key Features

Close Pitch 40mm wide belts.
Reversible transport direction.
30 deg and 45 deg mitre options.
Product weights up to 80Kg per M.
Drive Technology: SEW hollow shaft, side mounted geared motor 230V/400V.
Speeds : 10 to 120m/min.







Type B Belt Conveyor

# Post & Parcel Conveyor

- Designed specifically for the high demands of the post and parcel market.
- Exceptionally robust.
- Range includes Belt, Sorters and Lineshaft on Heavy Duty Mobile Frames.

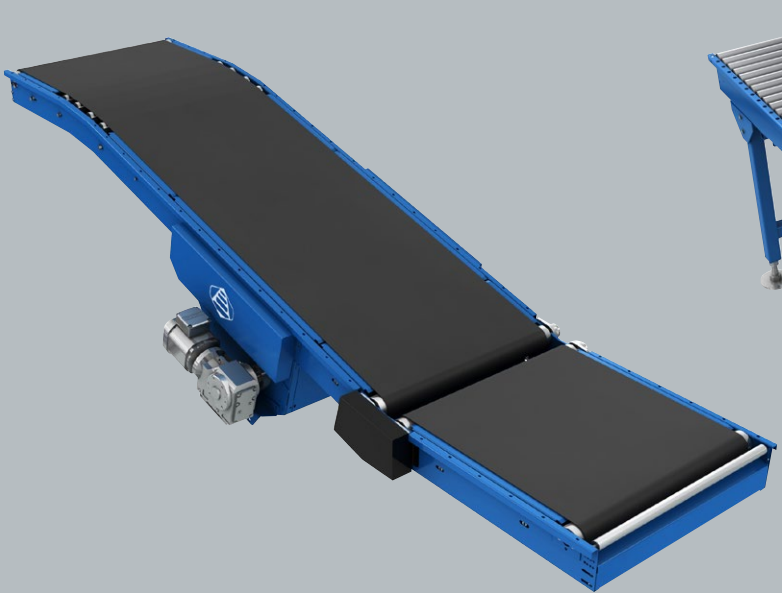
Key Post and Parcel Belt Conveyor Features	Benefits
Modular design.	Truly independent beds. Easy to install and configure.
3mm thick steel skid decks.	Capable of handling loads up to 80Kg/m
Direct drive from motors up to 3kW in power.	Ease of motor change and capable of long runs / heavy loads.
100 mm dia End Terminal Rollers.	High strength while handling small loads.
Fixed - non rotating - bosses on End Terminals.	Improved operator safety.

Key Post and Parcel Switch Sorter Features	Benefits
Modular design.	Truly independent beds. Easy to install and configure.
Sort up to 4200 parcels per hour.	More parcel handling capacity.
Wheel pattern split into 6 independent zones.	Multi-function capability of divert, merge, centralise, pre-sort and improves sort rate.
400 V a.c drives.	Strong positive drive and when used with inverters gives very accurate speed consistency - essential when tracking varying load weights down a sorter.

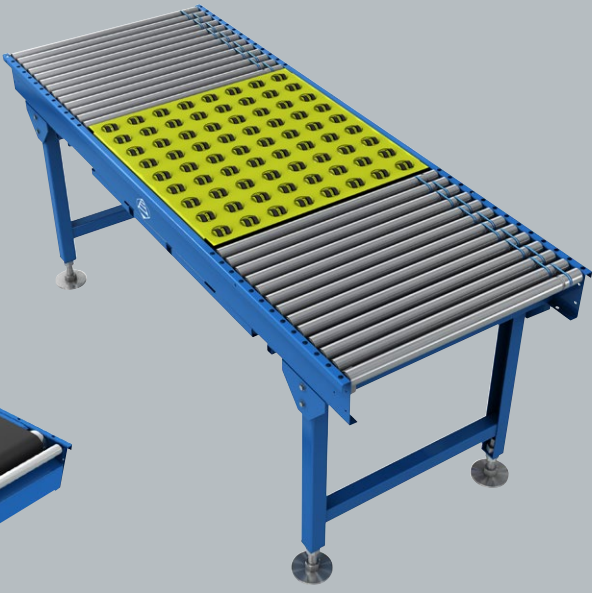
Ancillary modules include:

- Post & Parcel Belt Conveyor
- Post & Parcel Switch Sorter
- Post & Parcel Mitres
- Post & Parcel Lineshaft on mobile base (straights and curves).

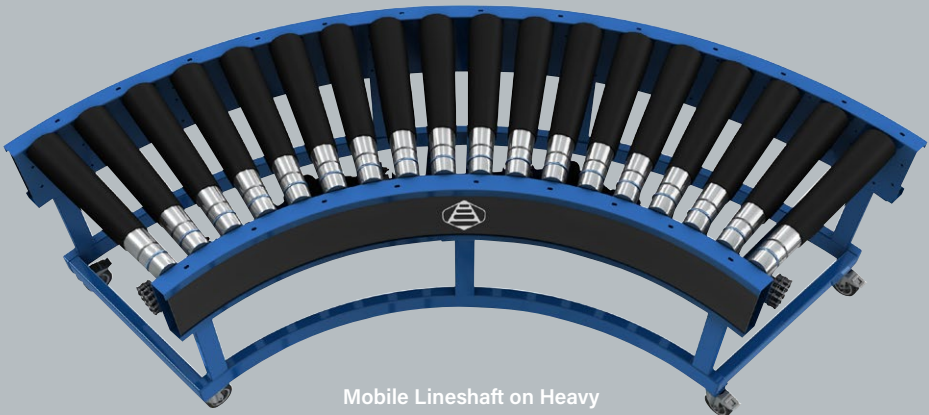
Available in:  
Powder coated as standard



Type C Belt Conveyor

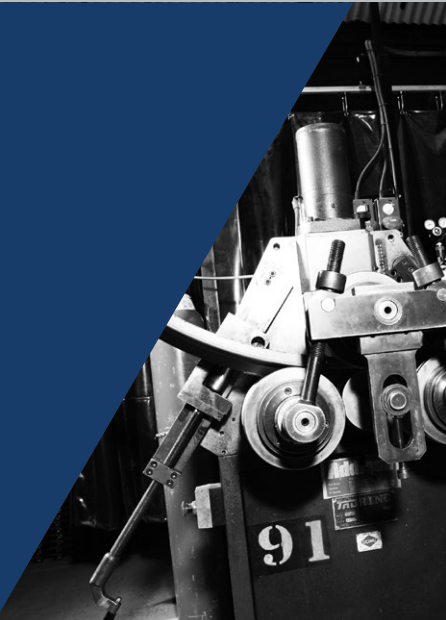


Switch Sorter



Mobile Lineshaft on Heavy Duty Frames

POST & PARCEL	Load	Belt Widths	Standard Speeds (metres per minute)		
	Up to 80kg/m	850mm	Up to 90		
POST & PARCEL SWITCH SORTER	Load	Roller Pitch	Standard Width	Standard Speeds (metres per minute)	
	Up to 80kg/m	60mm	912mm	Up to 110	
POST & PARCEL MOBILE LINESHAFT	Drive Capacity per Roller	Roller Pitch	Roller Specification	Standard Width	Standard Speeds (metres per minute)
	12kg/m	60mm, 75mm and 100mm	50 Dia. X 1.5mm thick. Precision Bearings. 8mm hex. 912 ITW.	912mm	15 / 18 / 24 / 28 / 33







Roller Straights

# Pallet Handling Conveyor

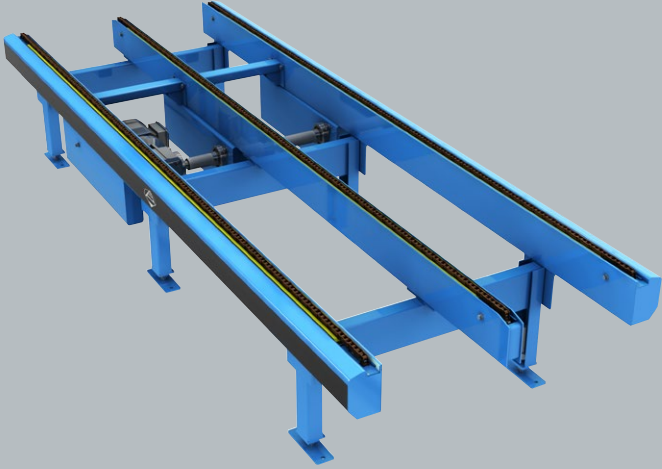
■ Designed for flexibility and heavy duty usage - up to 1500kg per pallet.

Key Features	Benefits
Modular design.	Proven product, highly configurable, easy and reduced installation with low maintenance. Allows for a variety of arrangements to be made from standard components.
Up to 4500kg can be conveyed with only one drive.	Economical.
Robust construction with formed steel frame profiles. Closed channel design on both the roller and chain conveyors.	Strong and long lasting. Ability to fit facia or photo-cells anywhere along frame via clamp brackets.
Tangentially driven rollers.	Smooth and gentle transportation - minimum backlash, low maintenance.
Two and three strand chain conveyor beds.	Cost effectiveness for the weight being conveyed.
Transfer uses only triple strand chains.	Maximum resilience and reliability.
Chain tension accessed and adjusted quickly without the need for removing any guards.	Time-saving and easier maintenance.

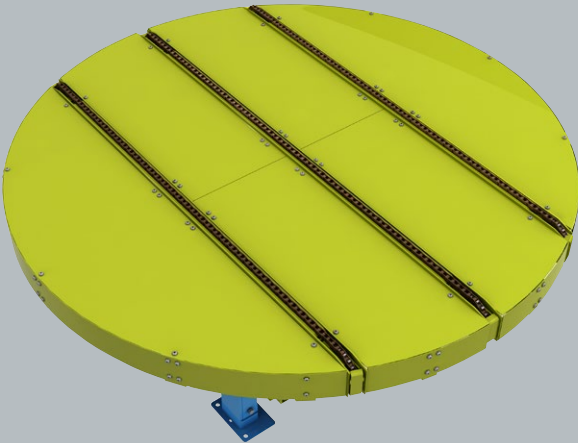
Ancillary modules include:

- Roller Conveyor
- Chain Conveyor
- Transfers
- Turntables
- Side Load Sections
- Pallet Entry Guides
- Fork Lift Truck Stops
- Bridging Kits

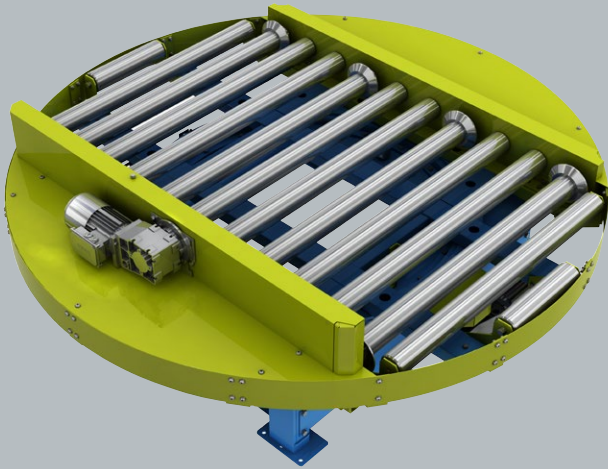
Available in:  
Powder coated as standard



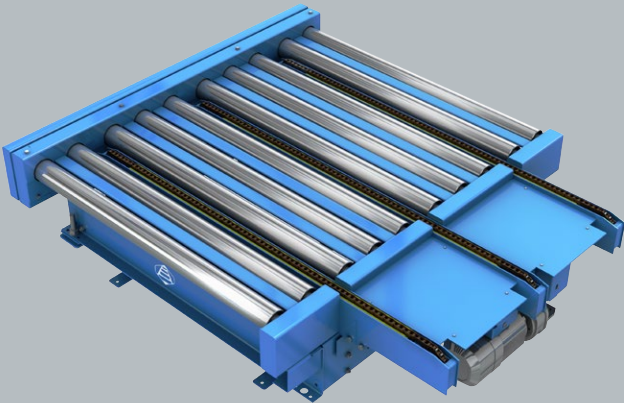
Chain Straights



Chain Turntable



Roller Turntable



Centre Transfer

PALLET HANDLING CONVEYOR

Load	Roller Diameter	Roller Pitch	Standard Track Widths	Standard Speeds (metres per minute)
800W x 1200L Europallet Max weight 1000kg	80mm	200mm	952mm	12 / 18
1000W x 1200L Chep Pallet Max weight 1500kg	80mm	150mm	1152mm	12 / 18





Powered Flexi

# Flexible Conveyor

- Powered and Gravity Options.
- For increased efficiency in loose loading and unloading of vehicles.
- Eco-Sort energy saving technology available on ZLP Flexis.

**Ancillary modules include:**  
Heavy Duty Impact Carts  
Smart Optics  
Zero Line Pressure  
Product Indexing  
Roller Connecting Brackets  
Drop Down Package Stops  
Larger Diameter Castors  
(for easier rolling over rougher uneven surfaces).

For more information see  
[flexi-conveyors.co.uk](http://flexi-conveyors.co.uk)

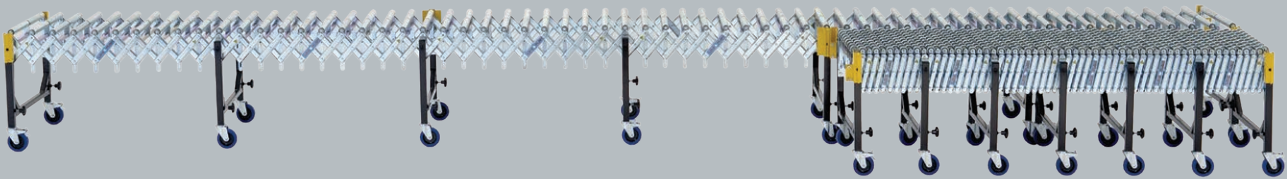
Key Features - Powered	Key Features - Gravity	Benefits
AC motor.	-	Low maintenance – no brush wear.
Reinforced, ribbed zinc plated steel side plates. Structural support across width. Heavy duty square tubing legs. Fully bolted design without rivets. Roller retaining tag washers.	Reinforced, ribbed zinc plated steel side plates. Structural support across width. Heavy duty square tubing legs. Fully bolted design without rivets. Roller retaining tag washers.	Additional strength and total stability. Withstand rigorous demands.
Available up to 25m / compacts to a 1/3 of its size when not in use.	Available up to 25m / compacts to a 1/3 of its size when not in use.	Easier to store, takes up minimum space.
Braked, swivel castors.	Braked, swivel castors.	Flexible and easily manoeuvrable.
Flat form cable.	-	Maintains correct cable routing.
Start / Stop buttons at both ends.	-	Safety.
Self tracking – cartons follow twist of conveyor.	Self tracking – cartons follow twist of conveyor.	No need for engineered curves.
Adjustable Height.	Adjustable height.	Versatility for different applications.
Smart optics / package stops.	Package stops.	Prevents product damage.



Gravity Roller



Gravity Skatewheel



Flexible - Expanded / Compacted

## FLEXIBLE CONVEYOR

Type	Load	Conveyor Widths	Roller Diameter	Standard Speeds (metres per minute)
Powered Roller	150kg per linear metre*	450mm, 600mm, 750mm or 900mm	40mm	10-40 variable
Gravity Roller	250kg per linear metre*	450mm, 600mm, 750mm or 900mm	40mm	n/a
Gravity Skatewheel	300kg per linear metre*	450mm, 600mm, 750mm or 900mm	Skatewheel 49mm	n/a
LITE-™	80kg per linear metre*	300mm, 400mm, 500mm or 600mm	Skatewheel 48mm	n/a

\* Based on level working height.

