



# CONVEYOR UNITS

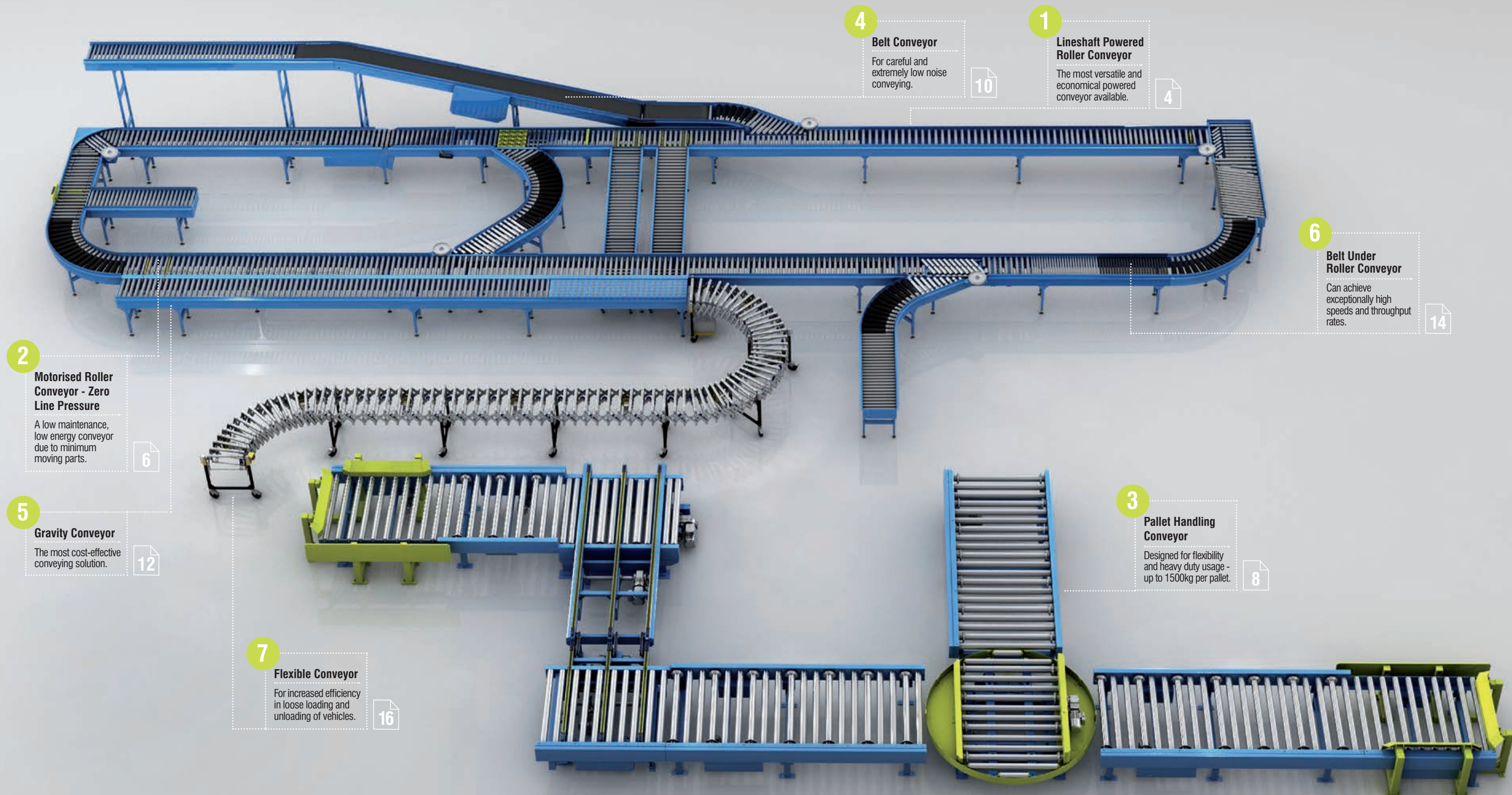
QUALITY • PERFORMANCE • RELIABILITY

## conveyor solutions



Quality • Performance • Reliability





Quality

Performance

Reliability



### Introduction

Our 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 design offers extreme flexibility and simplicity for totally integrated systems. It has been engineered and manufactured in Britain since 1963, resulting in five decades of engineering development and excellence, which today, makes it one of the best known trademarks in conveyor manufacture.

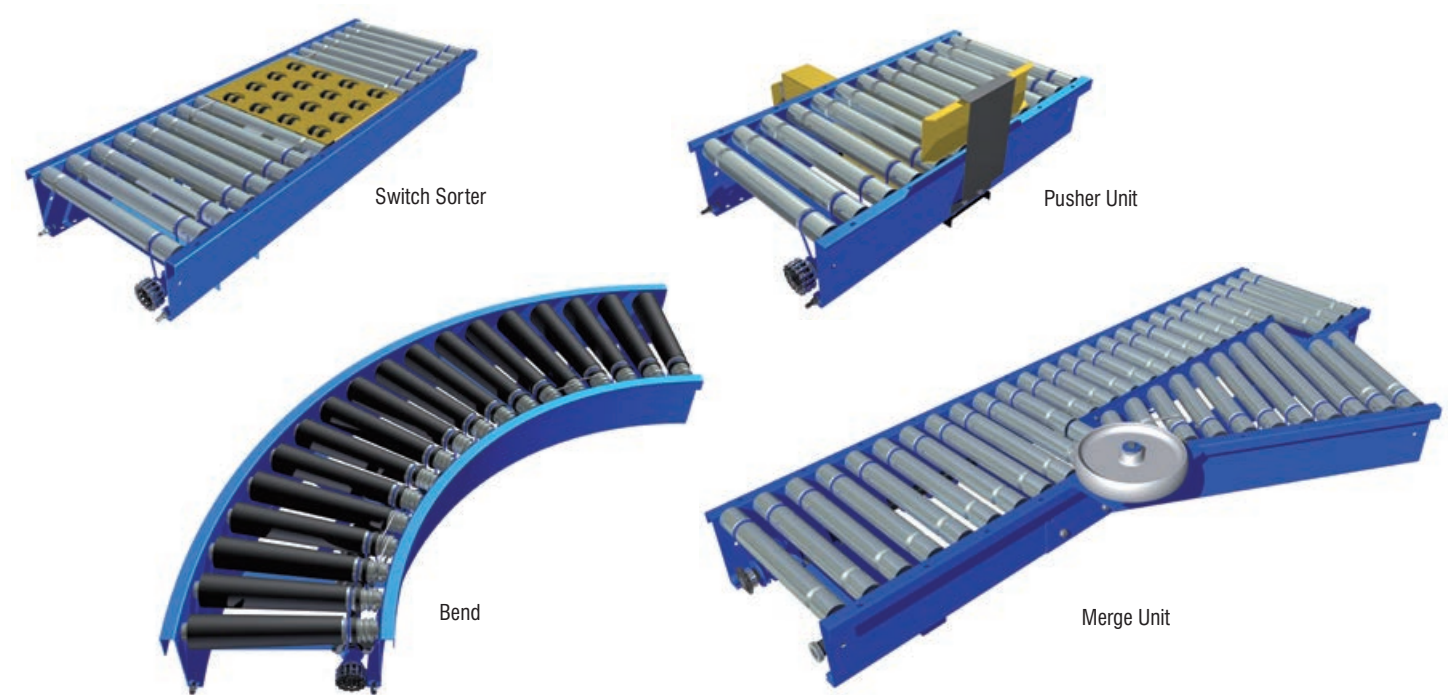
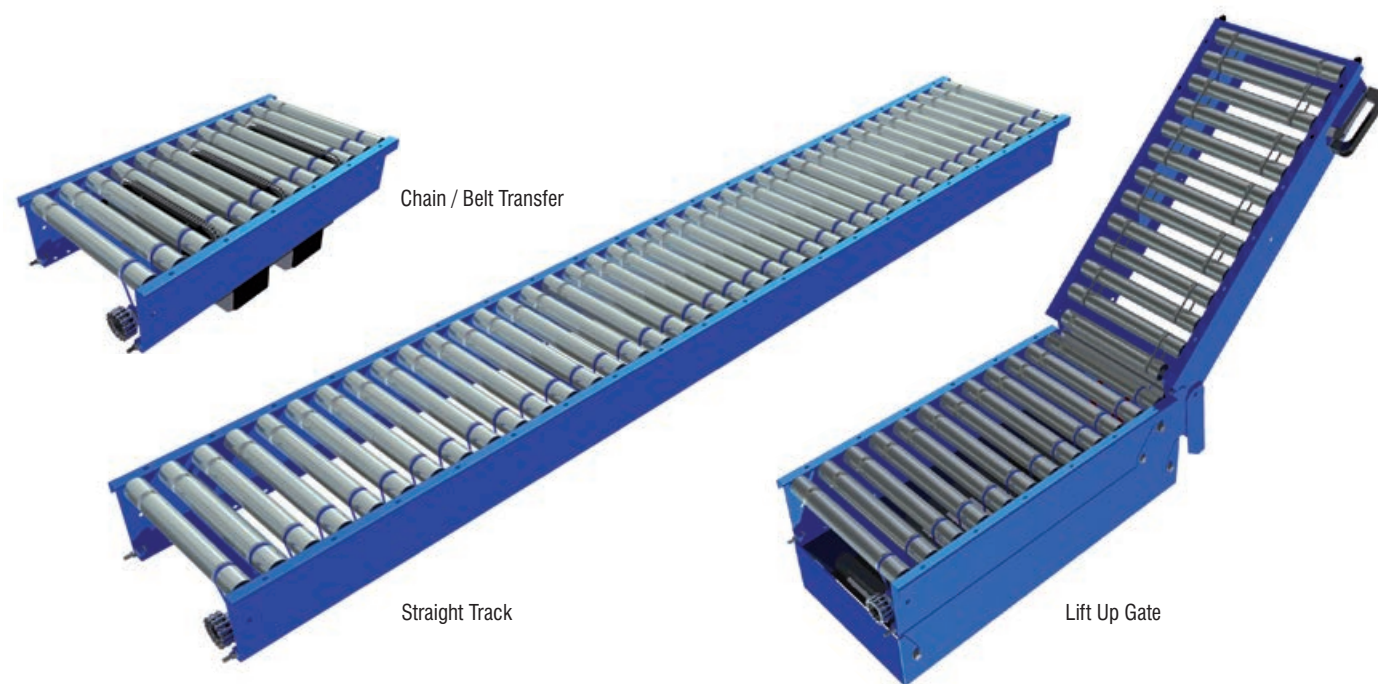
### Facts

- UK's largest conveyor manufacturer.
- 200,000 sq. ft. manufacturing plant on a 7 acre site.
- In excess of a million rollers manufactured every year.
- Over 30 km of conveyor produced each year.
- More than 40% of our conveyor orders are shipped overseas.



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## 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. Optimised productivity.
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  
Switch Units  
Stops  
Line Brakes  
Transfers  
Pusher Unit  
90° Roller Junctions

### Available in:

Powder coated as standard  
Aluminium  
Stainless steel

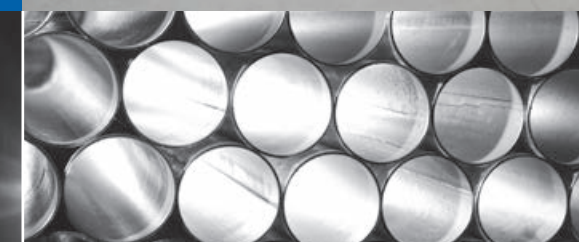
### Specification

Model	Drive Capacity Per Roller	Roller Diameter	Roller Pitch	Standard Track Widths	Standard Speeds (metres per minute)
<b>XU30</b> <b>XU30S</b> Light Duty	4kg (3mm dia. belt)	35mm	37.5mm	412mm 462mm 512mm 612mm 762mm	12 / 15 / 19 / 24 / 29
<b>XU60</b> Med. Duty	8kg (4.75mm dia. belt)	50mm	75mm, 100mm or 150mm	412mm 462mm 512mm 612mm 762mm 912mm	12 / 15 / 19 / 24 / 29
<b>XU90</b> Heavy Duty	12kg (5.3mm dia. belt)	50mm	75mm, 100mm or 150mm	As Above XU60	12 / 15 / 20 / 25 / 30

- Non standard widths available.



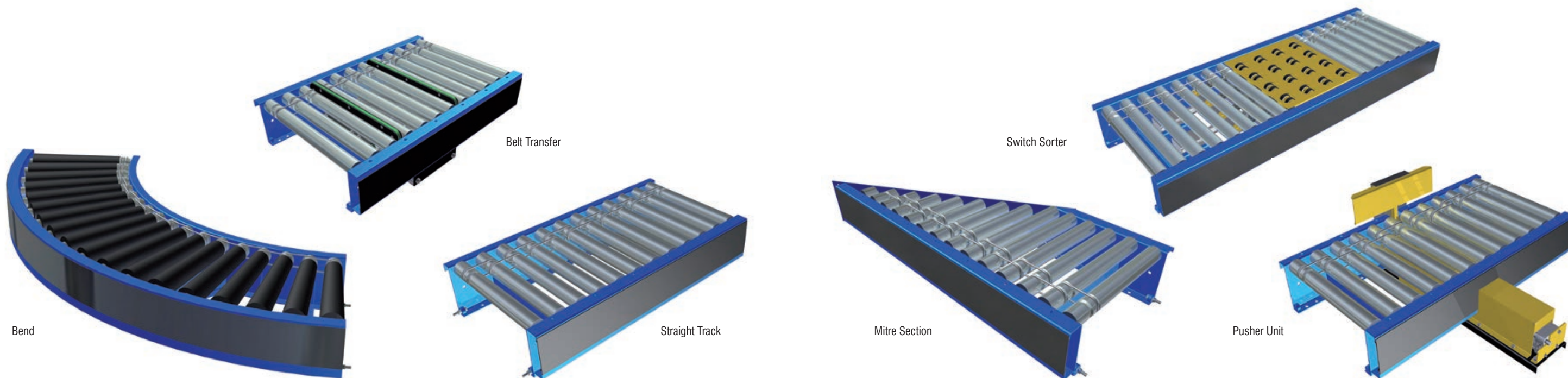
  
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## Motorised Roller Conveyor - Zero Line Pressure



- 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	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 24V DC 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 alternatives.
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.

### Ancillary modules include:

Bends  
Switch Sorters  
Lift Up Gates  
Mitre Sections  
Pusher Unit  
Belt Transfer

### Available in:

Powder coated as standard  
Aluminium  
Stainless steel

### Specification

Drive Capacity Per Roller	Roller Diameter	Roller Pitch	Standard Track Widths	Standard Speeds (metres per minute)
5kg per roller	50mm	75mm, 100mm and 150mm	412mm 462mm 512mm 612mm 762mm 912mm	Up to 55

- For heavier loads and higher speeds, please contact our Sales Office.



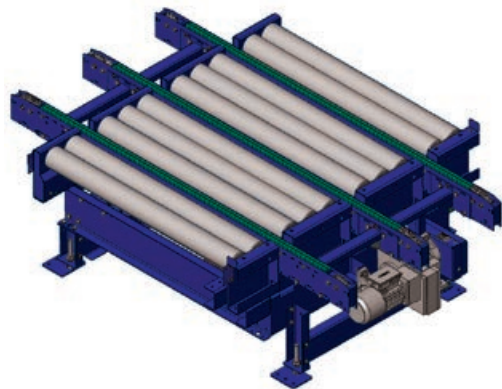
  
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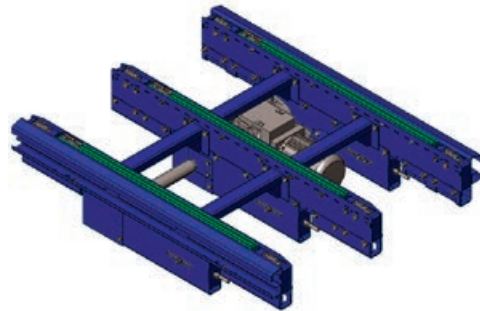


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## Pallet Handling Conveyor



Centre Transfer



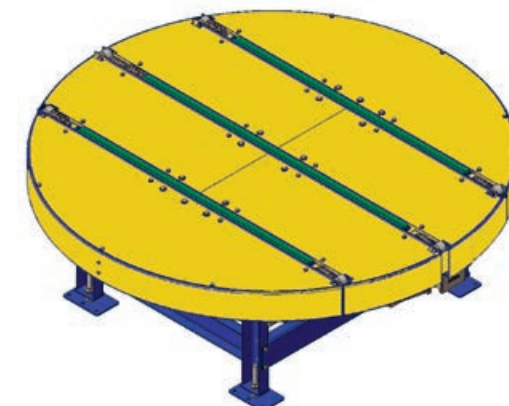
Chain Straights



Roller Straights



Roller Turntable



Chain Turntable

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

### Ancillary modules include:

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

### Available in:

Powder coated as standard

### Specification

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



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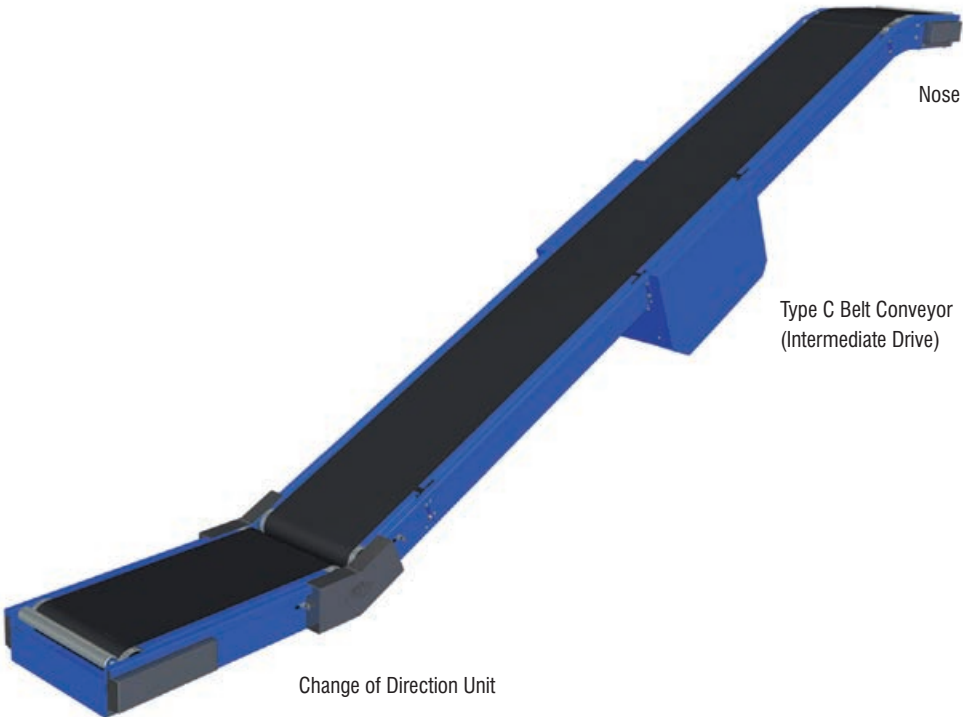
Belt Conveyor



Type A Belt Conveyor  
(End-Drive)



Type B Belt Conveyor  
(Intermediate Drive)



Type C Belt Conveyor  
(Intermediate Drive)

Nose Over Unit

Change of Direction Unit

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

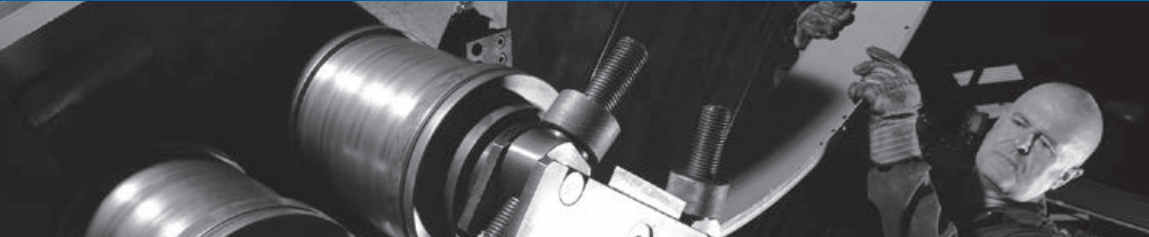
Key Features	Benefits
Modular design.	Proven product, highly configurable, easy and reduced installation with low maintenance. Allows for a variety of arrangements to be made from standard components.
Fully reversible option (with intermediate drive).	Greater versatility with the intermediate drive.
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  
Aluminium  
Stainless steel

Specification		
Load	Belt Widths	Standard Speeds (metres per minute)
Up to 25kg per metre	350mm, 400mm, 450mm, 550mm, 700mm and 850mm	12 / 15 / 19 / 24 / 30

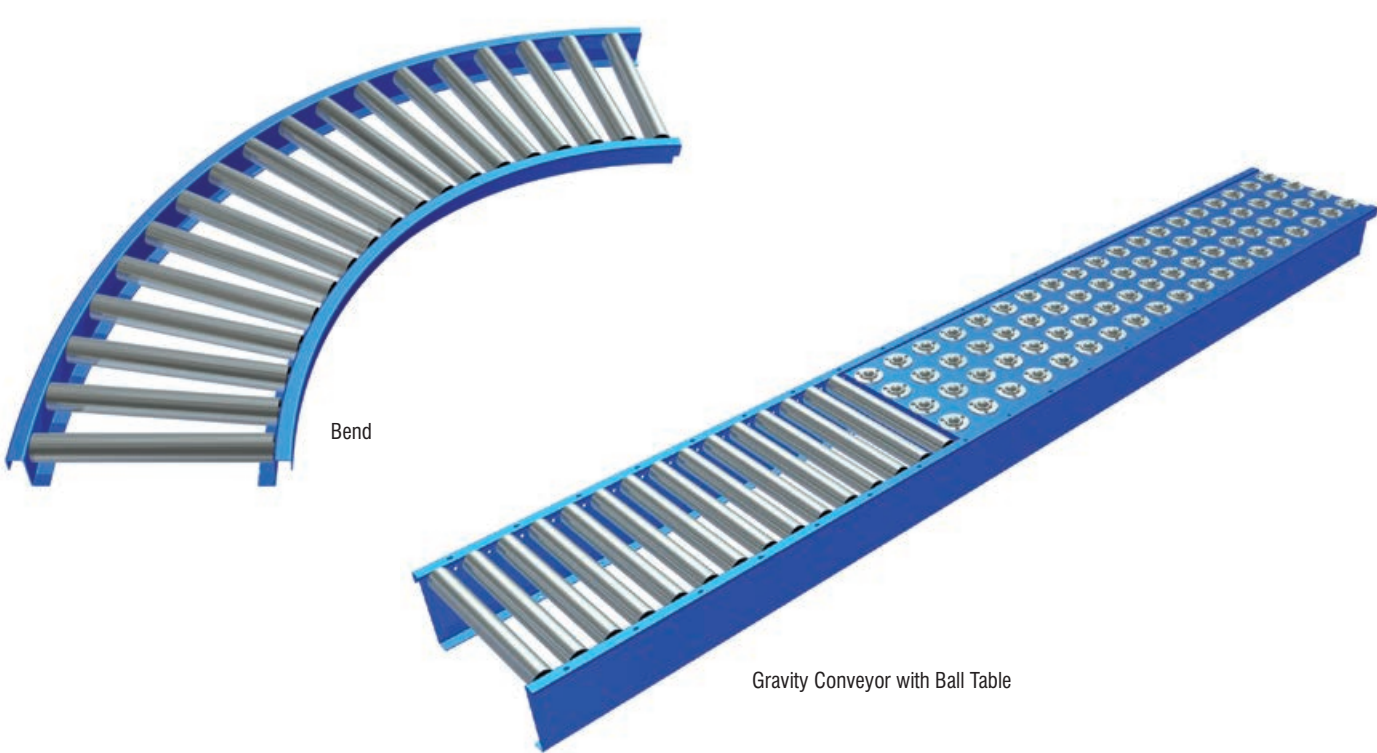
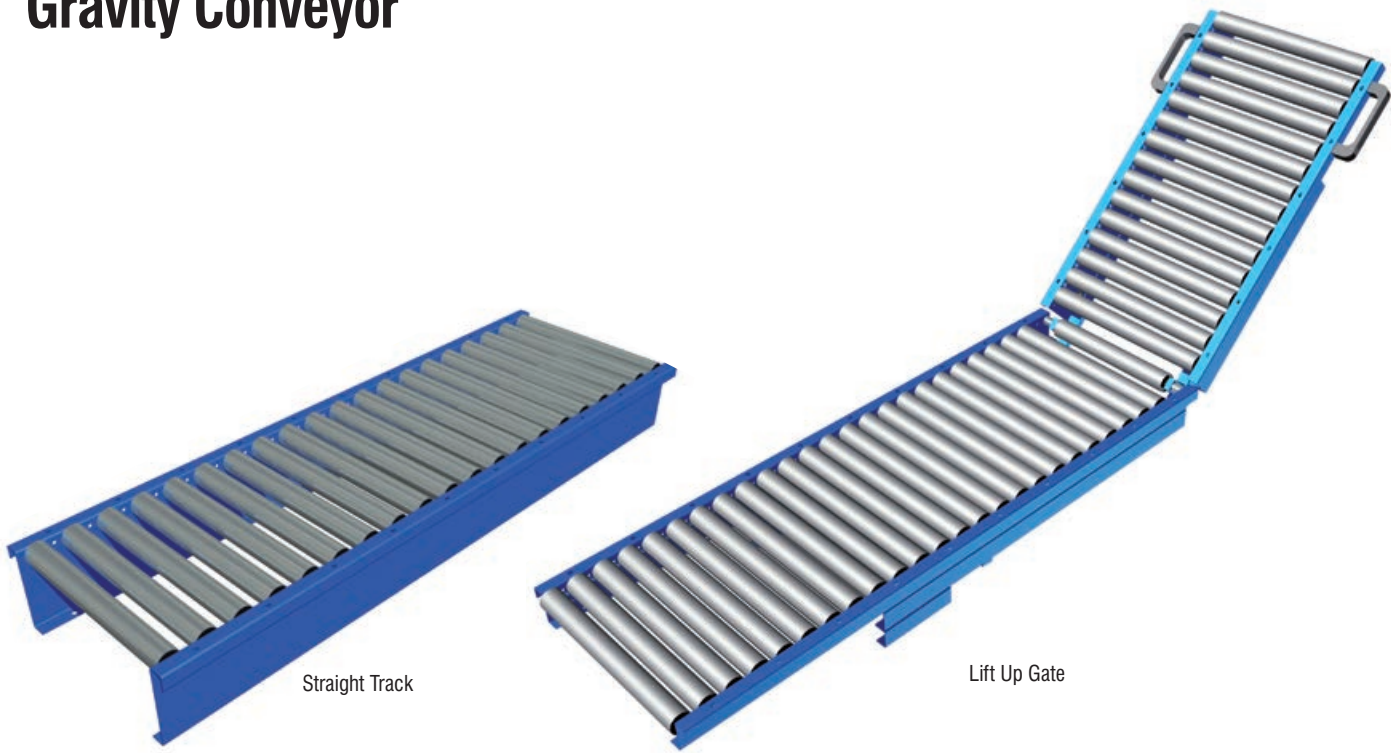
- For inside track width add 62mm to belt width.
- Other configurations available.





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Gravity Conveyor



• The most cost-effective conveying solution.

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.
Steel zinc plated rollers.	Surface protection.
Ball table.	Allows for product rotation.
Frames are multi-punched.	Allows for reconfigurable roller pitch for different sized products.

Ancillary modules include:

- Lift Up Gates
- Skatewheel Bends
- Ball Tables
- Mobile Units
- Turntables

Available in:

- Powder coated as standard
- Aluminium
- Stainless steel

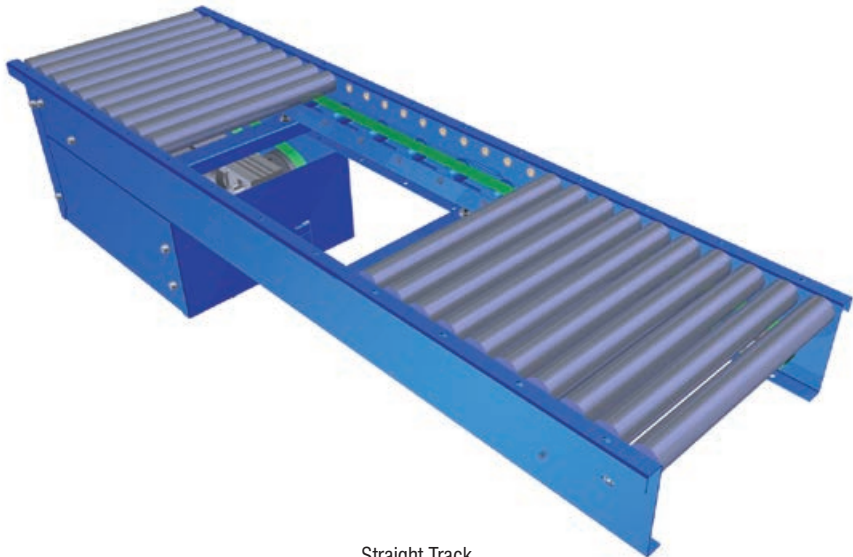
Specification					
Model	Static Load Per Roller	Roller Diameter	Roller Pitch	Inside Track Widths	Height from bottom of frame to top of roller
ZTL PC1	20kg	35mm	37.5mm, 75mm, 112.5mm and 150mm	312 – 762mm (in 50mm increments)	'Z' 69mm
ZTL PF1	30kg	50mm	75mm, 112.5mm and 150mm	312 – 762mm (in 50mm increments)	'Z' 76mm
ZTM PN1	45kg	50mm	60mm, 90mm, 120mm and 150mm	312 – 1012mm (in 50mm increments)	'Z' 83mm
CTH NE4	100kg	50mm	75mm, 100mm and 150mm	312 – 1012mm (in 50mm increments)	'C' 106mm
CTH M60	150kg	60mm	75mm, 100mm and 150mm	312 – 1012mm (in 50mm increments)	'C' 111mm
XU60	30kg	50mm	75mm, 100mm and 150mm	312 – 1012mm (in 50mm increments)	'Z' 183mm





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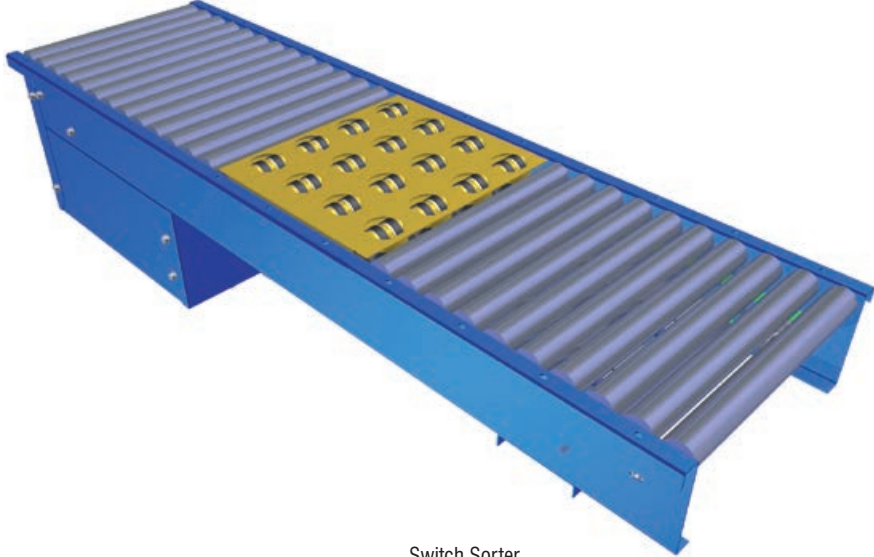
Belt Under Roller Conveyor



Straight Track



Belt Transfer



Switch Sorter

- 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.

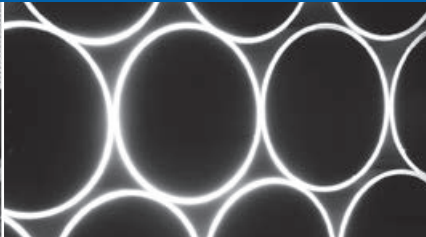
Ancillary modules include:

- Stops
- Line Brakes
- Switch Sorter
- Belt Transfer

Available in:

- Powder coated as standard
- Aluminium
- Stainless steel

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





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Flexible Conveyor



Flexible - Expanded / Compacted



Powered Roller



Gravity Roller



Gravity Skatetire

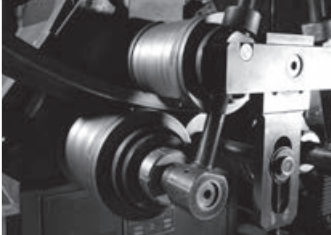
- Powered and Gravity Options.
- For increased efficiency in loose loading and unloading of vehicles.

Key Features - Powered	Key Features - Gravity	Benefits
AC motor.	-	Low maintenance – no brush wear.
Reinforced, ribbed zinc plated steel side plates.	Reinforced, ribbed zinc plated steel side plates.	Additional strength and total stability.
Structural support across width.	Structural support across width.	Withstand rigorous demands.
Heavy duty square tubing legs.	Heavy duty square tubing legs.	
Fully bolted design without rivets.	Fully bolted design without rivets.	
Roller retaining tag washers.	Roller retaining tag washers.	
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.

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).*

Specification				
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 Skatetire	300kg per linear metre*	450mm, 600mm, 750mm or 900mm	Skatetire 49mm	n/a
LITE-™	80Kg per linear metre*	300mm, 400mm, 500mm, or 600mm	Skatetire 48mm	n/a

\* Based on level working height.





# Rollers



# 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.

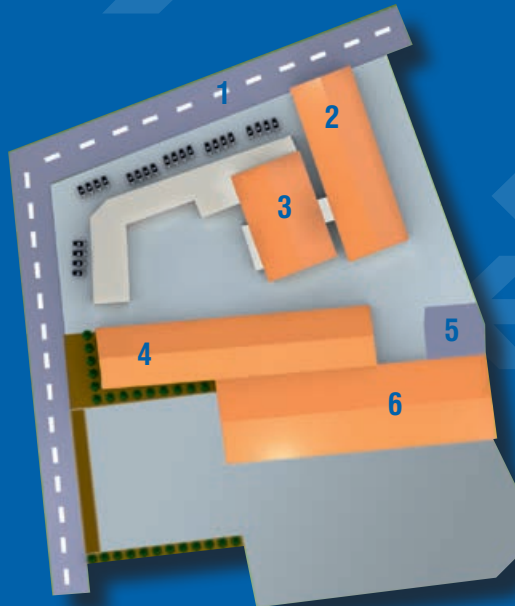




## STOURPORT SITE

- 1 Goods Inwards
- 2 Made To Order Roller Department
- 3 Injection Moulding
- 4 Heavy Duty Drum / Roller Assembly
- 5 Press / Laser Processing Department
- 6 Aluminium Conveyor Assembly
- 7 Heathfield Road
- 8 Sandy Lane
- 9 Product Development
- 10 Tapered Roller Assembly
- 11 Pallet Conveyor Assembly
- 12 Belt Conveyor Assembly
- 13 General Assembly
- 14 Powder Coating Plant / Curing Oven
- 15 Production Welding
- 16 Main Reception
- 17 Despatch
- 18 Ancillary Assembly
- 19 Bend Fabrication
- 20 Press Brake

### 21 Stourport Showroom and Demonstration Area



## LYE SITE

- 1 Stour Vale Road
- 2 Stores
- 3 Bearing Assembly
- 4 Press Department / Component Manufacture
- 5 Despatch
- 6 Flexible Conveyor Assembly



 conveyor solutions

**FLEXI**  
The Expandable Conveyor Solution

  
**CONVEYOR UNITS**  
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