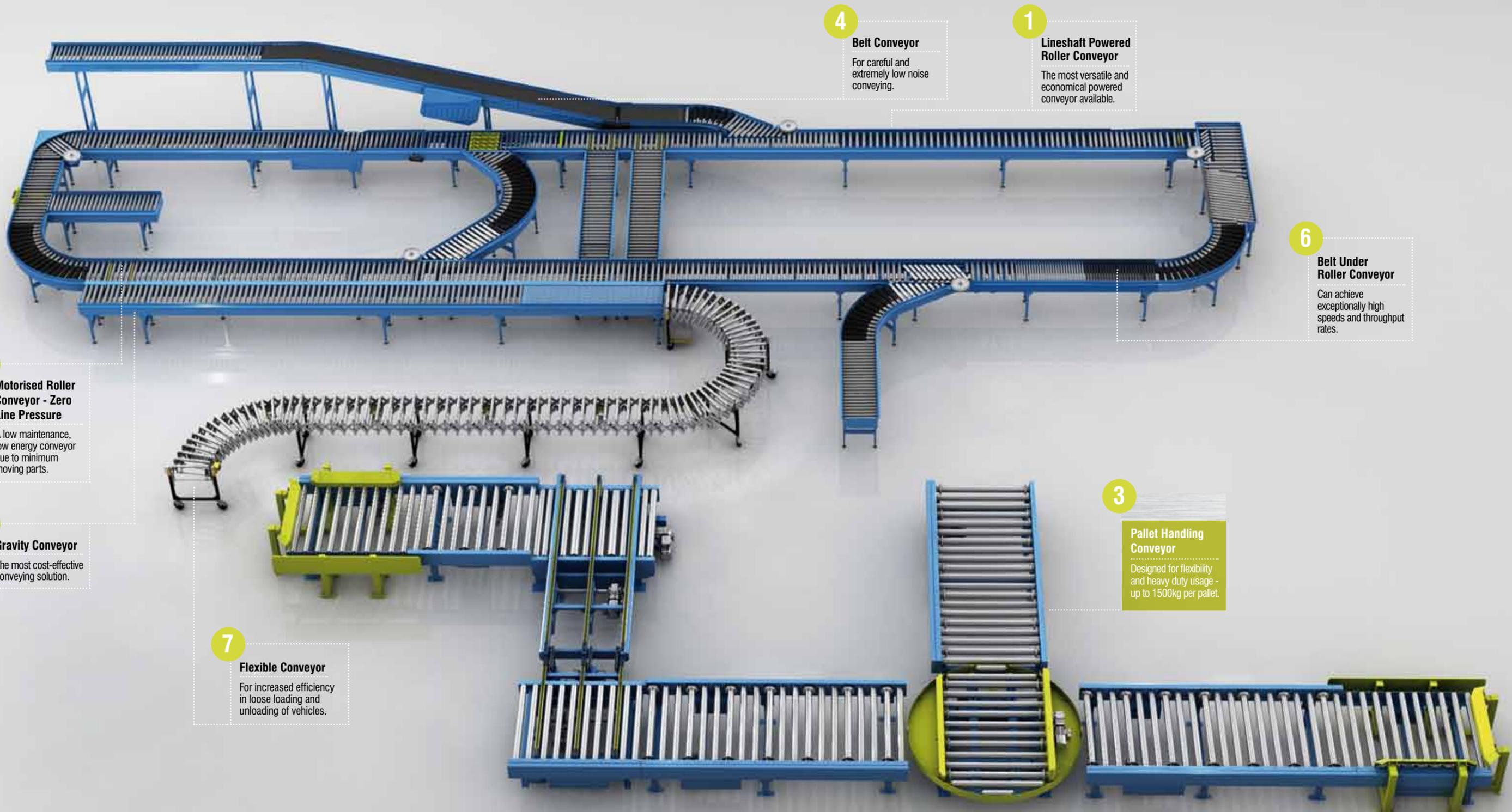


Pallet Handling Conveyor

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

No.3 of 7



4
Belt Conveyor
 For careful and extremely low noise conveying.

1
Lineshaft Powered Roller Conveyor
 The most versatile and economical powered conveyor available.

6
Belt Under Roller Conveyor
 Can achieve exceptionally high speeds and throughput rates.

2
Motorised Roller Conveyor - Zero Line Pressure
 A low maintenance, low energy conveyor due to minimum moving parts.

5
Gravity Conveyor
 The most cost-effective conveying solution.

3
Pallet Handling Conveyor
 Designed for flexibility and heavy duty usage - up to 1500kg per pallet.

7
Flexible Conveyor
 For increased efficiency in loose loading and unloading of vehicles.

Quality

Performance

Reliability



Introduction

The uni-xu® 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 the uni-xu® 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.
- 150,000 sq. ft. manufacturing plant on a 7 acre site.
- In excess of half a million rollers manufactured every year.
- Over 15 km of conveyor produced each year.
- Over a third of conveyor orders shipped overseas.

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



Roller Straights



Focus on Pallet Conveyor

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

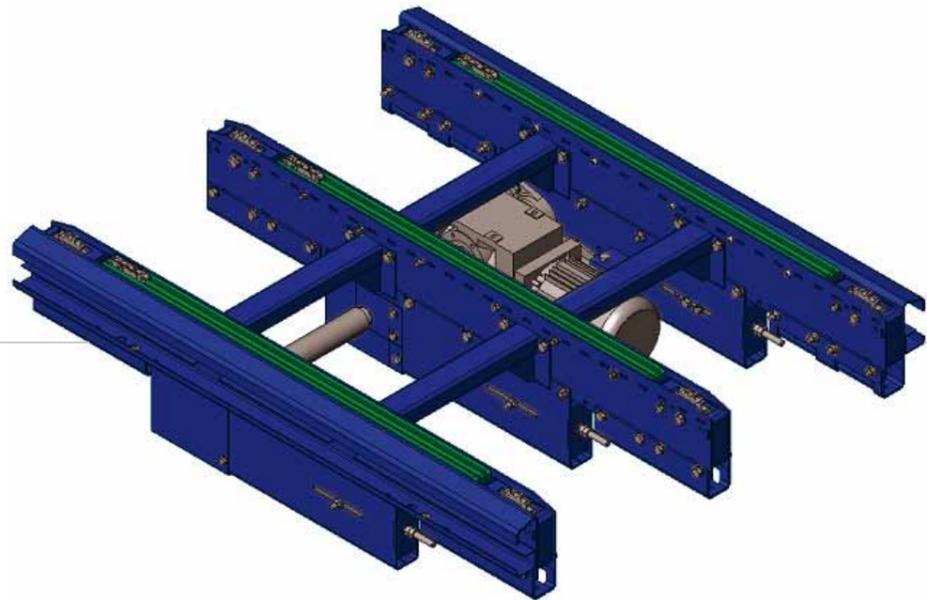
Key Features	Benefits
Modular design.	Proven product, highly configurable, easy and reduced installation with low maintenance.
Up to 4500kg can be conveyed with only one drive.	Allows for a variety of arrangements to be made from standard components.
Robust construction with formed steel frame profiles.	Economical.
Closed channel design on both the roller and chain conveyors.	Strong and long lasting.
Tangentially driven rollers.	Ability to fit fascia or photocells anywhere along frame via clamp brackets.
Smooth and gentle transportation - minimum backlash, low maintenance.	Smooth and gentle transportation - minimum backlash, low maintenance.
Twin and triple 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.

- Rollers tangentially driven by 5/8" simplex chain in a fully enclosed side channel.
- Offers minimal backlash, easy tensioning.
- Load capacity of 1500kg per pallet - straight modules are available to handle up to 4500kg total conveyor load.
- 4mm thick side channels.
- 3mm and 5mm thick roller options.
- Chain tension adjusted quickly without removing guards.
- 150mm or 200mm roller pitch.
- Ability to run cables in non-drive channel with fascia to close section off.
- Ability to fit photocells anywhere along frame via clamp brackets.
- Range of heights available from 425mm - 1150mm top of roller.
- Motors available - 0.37 kW, 0.55 kW, 1.1 kW and 1.5 kW.
- Standard lengths available - 1050mm to 6000mm in 150mm increments 1200mm to 6000mm in 200mm increments.
- Pallet size - 800mm wide x 1200mm long (1000Kg) / 1000mm wide x 1200mm long (1500Kg).
- Speeds available - 12 and 18 metres per minute.
- Motors supplied non braked as standard. (Braked also available).





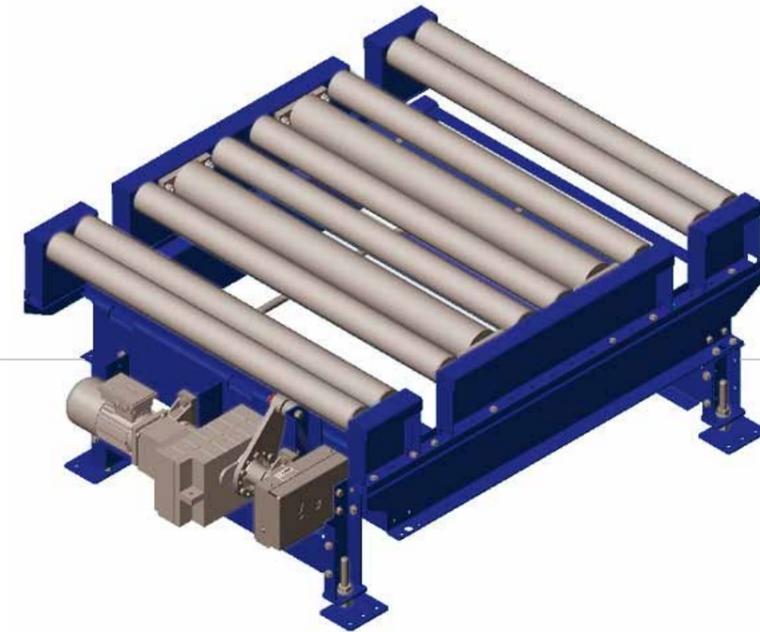
Chain Straights



- Bi-directional operation.
- Available in twin and triple strand chain versions.
- Chain tension is adjusted quickly and easily without removing any guards.
- Load capacity of 1500kg per pallet.
- 4mm thick side channels.
- 3/4" pitch flat sided simplex chain running on low friction, hard wearing polymer guide strips.
- Ability to run cables and pneumatics in side channel.
- Chain in same lateral position on each module - giving a smooth, clean appearance and aiding cable runs.
- Chains positioned for optimum pallet support.
- Range of heights available from 425mm - 1175mm top of chain.
- Motors available - 0.75 kW, 1.1 kW, 1.5 kW, 2.2 kW and 3.0 kW.
- Standard lengths available - 1300mm to 3600mm in 50mm increments.
- Pallet size - 1200mm leading edge x 800 / 1000mm long pallets.
- Speeds available - 12 and 18 metres per minute.
- Motors supplied non braked as standard. (Braked also available).



Pop Up Roller Transfer

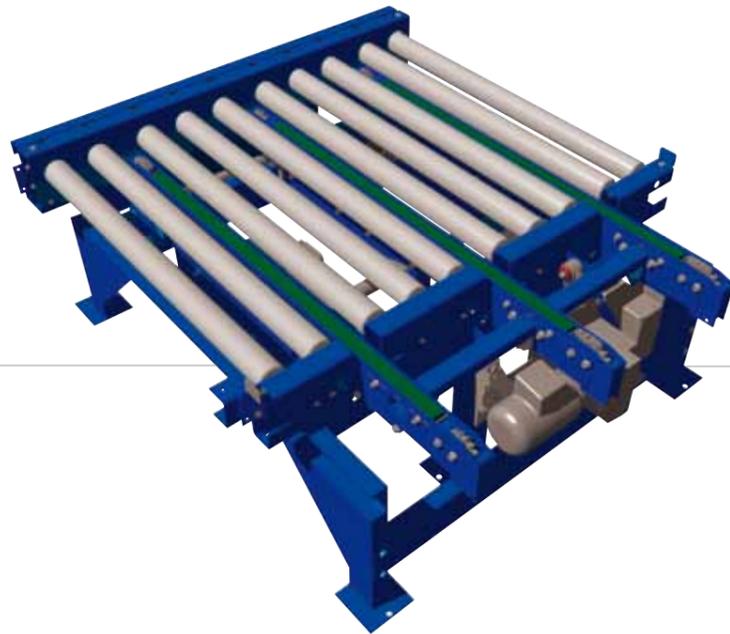


- Self contained units, which can be fitted to a new or existing chain conveyor straight.
- The pop up roller transfer is powered by two motorised rollers.
- Load capacity of 1500kg per pallet.
- Nominal roller pitch of 150mm for all pallet types, offering exceptional support for pallets during the transfer operation.
- Electric lift action.
- 4mm thick side channels.
- 3mm and 5mm thick roller options.
- Available to fit twin and triple strand chain straights.
- Range of top of roller heights available from 500mm - 1100mm when transfer down (550mm - 1150mm when transfer up).
- Motors - 2 off 0.18 kW motorised rollers, 0.75 kW lift motor.
- Pallet size - 1200mm leading edge, 1000mm long on in-feed chain conveyor. 800 / 1000mm leading edge x 1200mm long on roller transfer.
- Speeds available - 12 and 18 metres per minute.
- Up to 234 pallet transfers per hour.
- Motors supplied braked as standard.





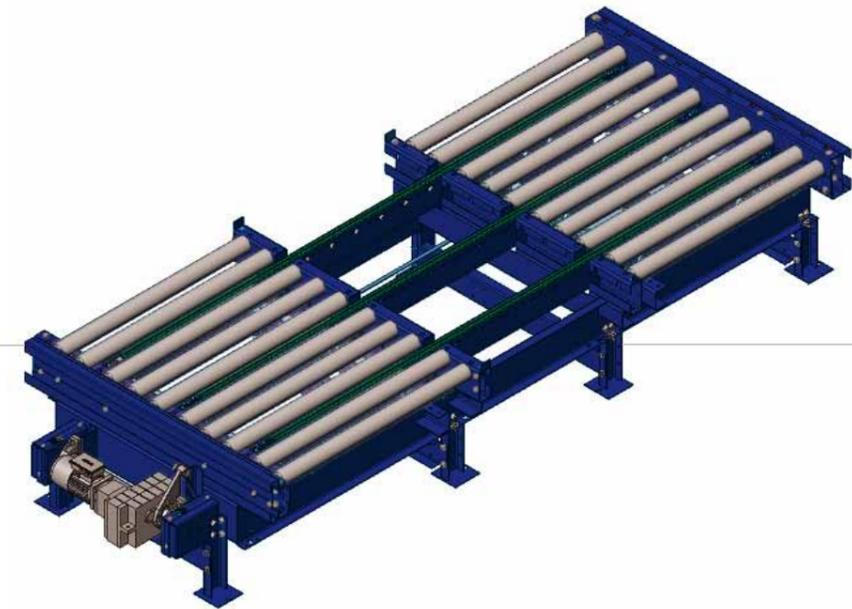
Single Chain Transfer



- Combines the features and benefits of the roller systems and chain conveyor in one module.
- Nominal roller pitch of 150mm for all pallet types, offering exceptional support for pallets during the transfer operation.
- 3mm thick steel rollers with steel sprockets.
- Load capacity of 1500kg per pallet.
- Electric lift action.
- Bi-directional chain and rollers as standard.
- Single handed transfer / extended transfer unit.
- Range of heights available from 425mm - 1150mm top of roller.
- Motors available - chain conveyor 0.75 kW, 1.1 kW, lift transfer 0.75 kW, roller conveyor 0.37 kW, 0.55 kW.
- 3/4" pitch flat sided chain.
- Pallet size - 800 / 1000mm leading edge on rollers x 1200mm long.
1200mm leading edge x 800 / 1000mm long on chains.
- Speeds available - 12 and 18 metres per minute.
- Up to 213 pallet transfers per hour.
- Roller and chain motors supplied non braked as standard. (Braked also available).
- Lift motor supplied braked as standard.



Double Chain Transfer

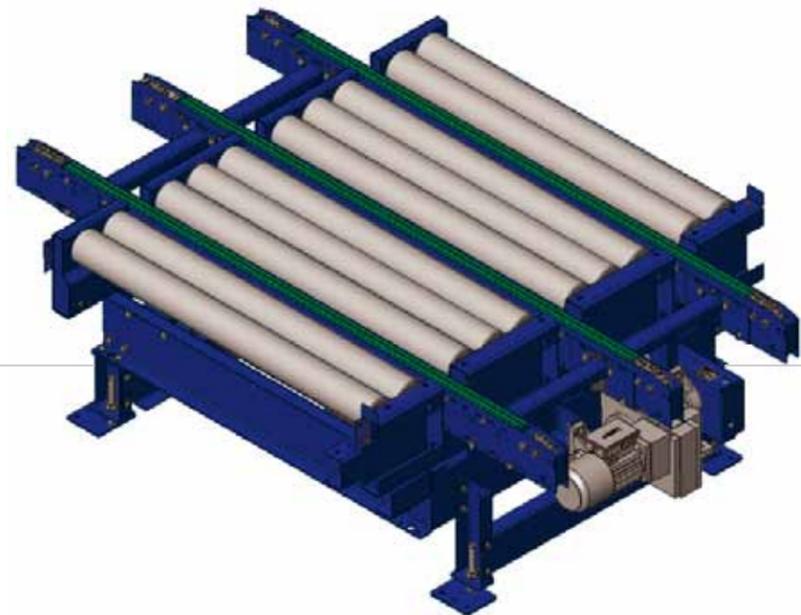


- Combines the features and benefits of the roller systems and chain conveyor in one module.
- Nominal roller pitch of 150mm for all pallet types, offering exceptional support for pallets during the transfer operation.
- Load capacity of 1500kg per pallet.
- Electric lift action.
- Bi-directional chain and rollers as standard.
- Range of heights available from 425mm - 1150mm top of roller.
- Motors available - roller conveyor 0.37 kW, 0.55 kW, 0.75 kW, 1.1 kW, lift transfer 0.75 kW.
- Pallet size - 800 / 1000mm leading edge x 1200mm long on rollers.
1200mm leading edge x 800 / 1000mm long on chains.
- Speeds available - 12 and 18 metres per minute.
- Up to 184 pallet transfers per hour.
- Roller and chain motors supplied non braked as standard. (Braked also available).
- Lift motor supplied braked as standard.





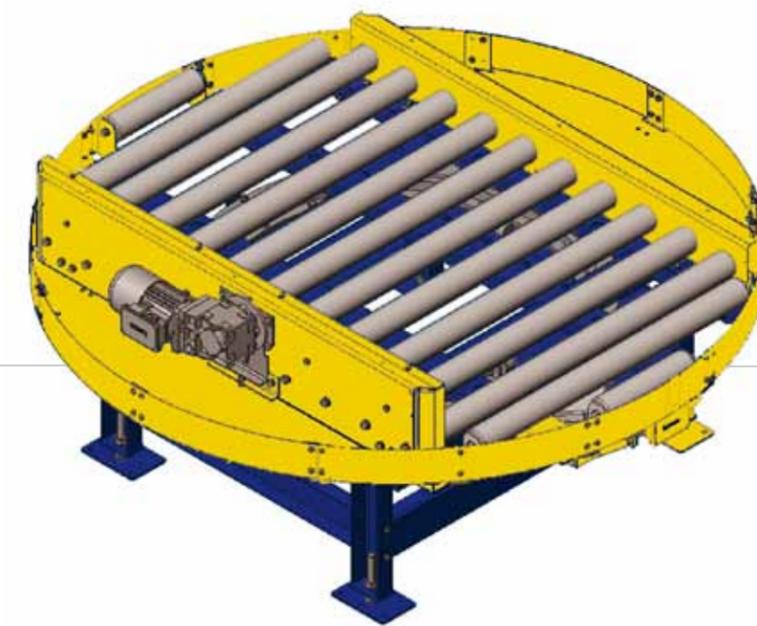
Centre Chain Transfer



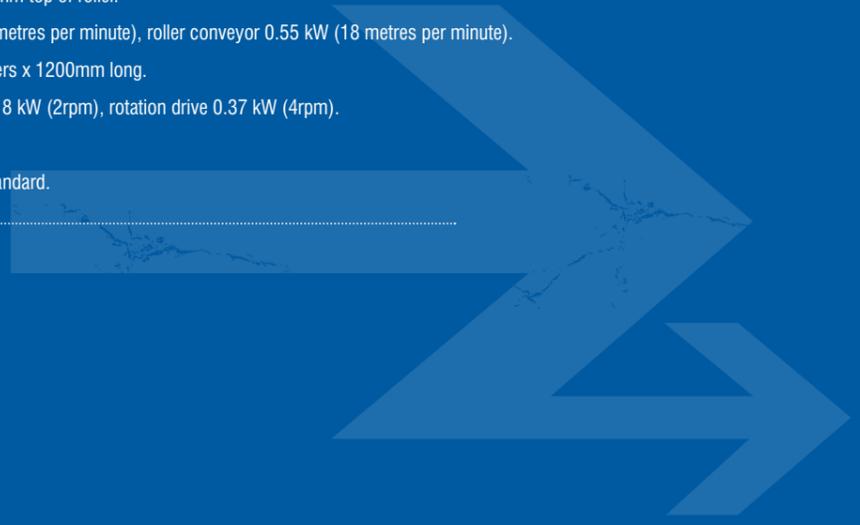
- Combines the features and benefits of the roller systems and chain conveyor in one module.
- Nominal roller pitch of 150mm for all pallet types, offering exceptional support for pallets during the transfer operation.
- Pallets can be received and transferred in either direction.
- Load capacity of 1500kg per pallet.
- Electric lift action.
- Bi-directional chain available as standard.
- Range of heights available from 500mm - 1150mm top of roller.
- Motors available - roller conveyor 0.37 kW, 0.55 kW, 0.75 kW, 1.1 kW, lift transfer 0.75 kW.
- Pallet size - 1200mm on leading edge x 800 / 1000mm long on in-feed chains. 800 x 1000mm leading edge x 1200mm long on rollers.
- Speeds available - 12 and 18 metres per minute.
- Up to 208 pallet transfers per hour.
- Roller and chain motors supplied non braked as standard. (Braked also available).
- Lift motor supplied braked as standard.



Roller Turntables

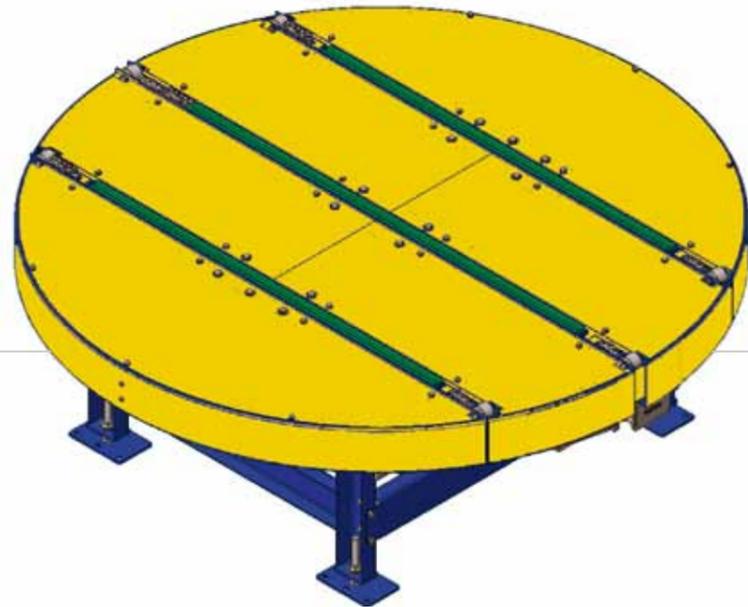


- Designed to change the direction of pallet travel by rotation of the pallet through any angle from 90° up to 180°, whilst keeping the relationship of the pallet runners to roller conveyor the same.
- Range of heights available from 400mm - 1150mm top of roller.
- Motors available - roller conveyor 0.37 kW (12 metres per minute), roller conveyor 0.55 kW (18 metres per minute).
- Pallet size - 800 / 1000mm leading edge on rollers x 1200mm long.
- Two rotation speeds available - rotation drive 0.18 kW (2rpm), rotation drive 0.37 kW (4rpm).
- Up to 174 pallets per hour rotating 90°.
- Roller and turning motors supplied braked as standard.





Chain Turntables



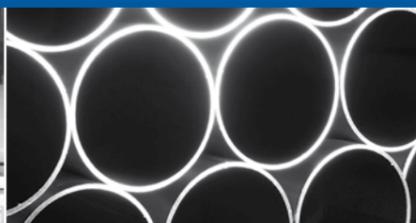
- Designed to change the direction of pallet travel by rotation of the pallet through any angle from 90° up to 180°, whilst keeping the relationship of the pallet runners to the chain strands the same.
- Two rotation speeds available - rotation drive 0.18 kW (2rpm), rotation drive 0.37 kW (4rpm).
- Range of heights available from 425mm - 1175mm top of chain.
- Motors available - chain conveyor 0.75 kW (12 metres per minute), chain conveyor 1.1 kW (18 metres per minute).
- Pallet size - 1200mm leading edge x 800mm (1000Kg max) / 1200mm leading edge x 1000mm (1500Kg max).
- Up to 174 pallets per hour rotating 90°.
- Three chains at 450mm centres.
- Chain and turning motors supplied braked as standard.



Motorised Roller Straights



- Comprises a number of powered rollers and adjacent gravity rollers.
- Motorised rollers are used to drive the load along the length of the conveyor and are mounted in flexible brackets so that they are higher than the gravity conveyor rollers.
- The item being conveyed is constantly in contact with the drives.
- The pallet forces the motorised rollers down to the same level as the adjacent non powered rollers, ensuring the weight of the pallet is evenly distributed during transport.
- Load capacity of 600kg per pallet - optional 1000kg available on request.
- 150mm roller pitch (125mm available on request).
- No geared motors, chains and sprockets.
- Compact and space saving design, can be installed directly on the floor.
- Lengths available - 600mm to 3000mm in 150mm increments.
- Standard widths available: 850mm ITW (800mm wide pallet), 1050mm ITW (1000mm wide pallet).
- Range of heights available from 150mm - 1150mm top of roller height.
- 0.085 kW per motorised roller, 2 off per pallet position.
- Pallet size - 800 x 1000mm leading edge x 1200mm long on rollers.
- Conveyor speeds of 13 and 16 metres per minute - both can be used with an inverter.





Bash Plates and End Loading Side Guards



Bash Plates

Heights - available from 400mm - 1150mm top of roller.
 Widths - 1600mm or 1800mm.
 Very strong construction.
 Used with roller and chain conveyors.
 Function - protects conveyor from FLT damage.
 Floor mounted - ensures no forces transmitted into conveyor.

End Loading Side Guards

Heights - available from 400mm - 1150mm top of roller.
 Widths - 1135mm or 1400mm.
 Very strong construction.
 Used with roller and chain conveyors.
 Function - ensures correct pallet positioning and protects conveyor from damage.
 Floor mounted - ensures no forces transmitted into conveyor.
 Re-configurable - leg centres can be altered and supports can be installed 'facing in' or 'facing out'.

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

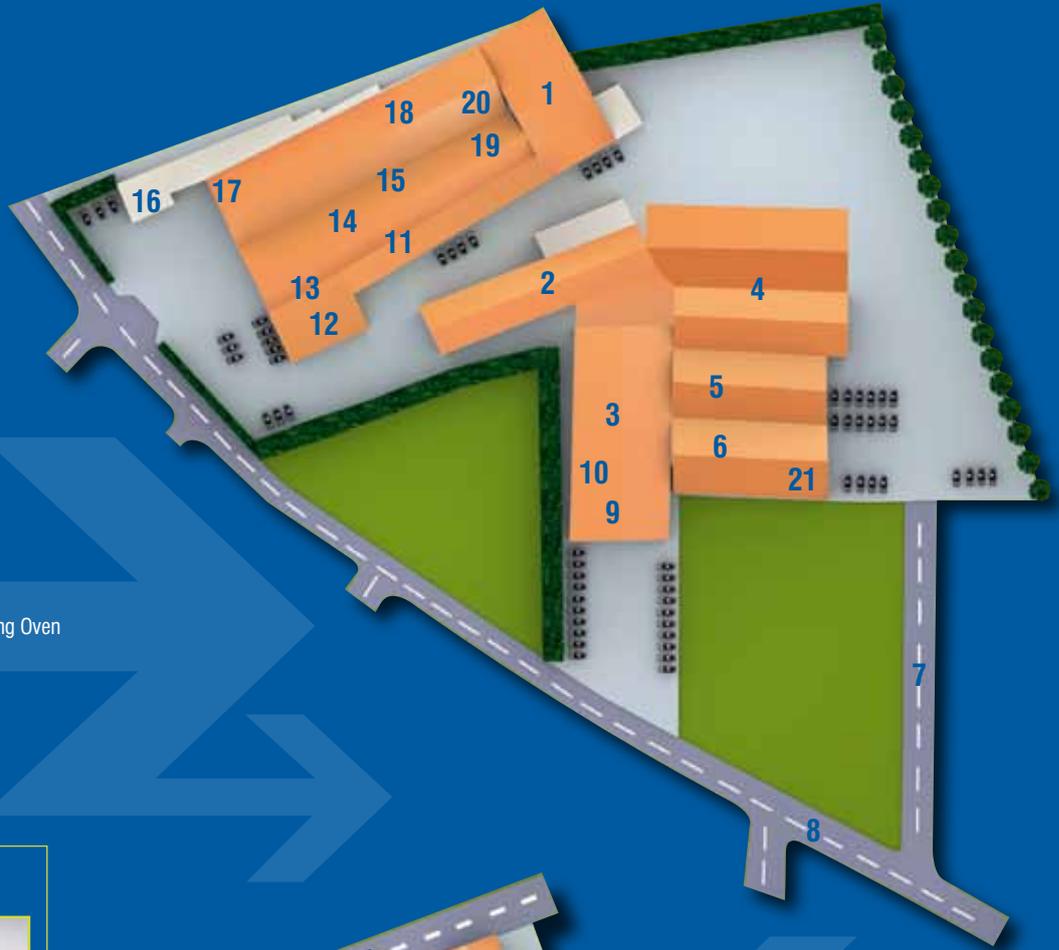
We also produce an extensive range of stock components, again competitively priced, for Powered Roller Conveyors, Pallet Conveyors, Gravity Conveyors and Belt Conveyors, with all plastic conveyor components injection moulded here on site. Please give us the opportunity to quote all your roller and spares requirements. We can guarantee: -

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

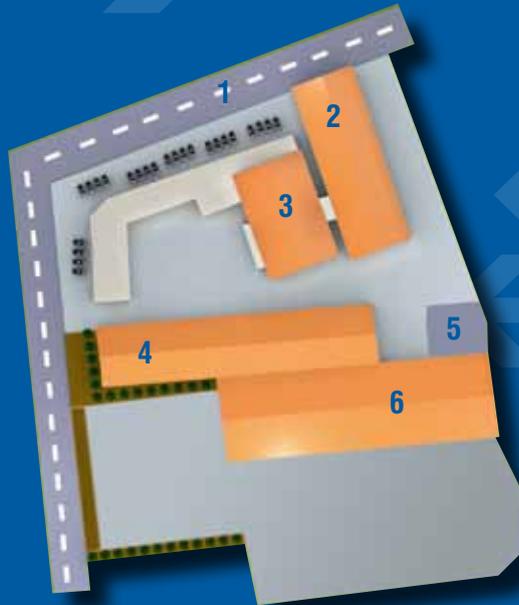


STOURPORT SITE

- 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



CONVEYOR UNITS
QUALITY • PERFORMANCE • RELIABILITY