



conveyor solutions

Aluminium Range



Quality • Performance • Reliability

Belt Conveyor

For careful and extremely low noise conveying.

8

Lineshaft Powered Roller Conveyor

The most versatile and economical powered conveyor available.

4

Gravity Conveyor

The most cost-effective conveying solution.

10

24V Roller Conveyor

-Zero Line Pressure
-Transportation

A low maintenance, low energy conveyor due to minimum moving parts.

6

Belt Under Roller Conveyor

Can achieve exceptionally high speeds and throughput rates.

12

Conveyor Solutions Aluminium Range

Our comprehensive aluminium range has been developed both for its functional and aesthetic properties.

One of the key features of the aluminium range is its looks. It is particularly suited where the environment calls for a more aesthetically pleasing design, where image is important.

Aluminium is extraordinarily versatile, as well as having some unique qualities, such as formability, high strength-to-weight ratio, corrosion resistance, and ease of recycling. It is virtually maintenance-free too, which is particularly important if used in an inaccessible area.

The metal's natural coating of aluminium oxide provides a highly effective barrier to the ravages of air, temperature, moisture and chemical attack, making it a useful conveyor construction material in many applications, eg. the food /drink and pharmaceutical industries, in addition to environments where conveyor systems are on public display.

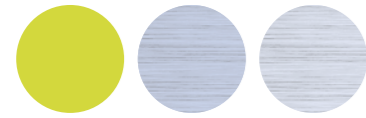


Introduction

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.



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.

• Available in 80mm and 120mm profiles.

Ancillary modules include:

- Bends
- Switch Sorters
- Lift Up Gates
- Stops
- Line Brakes
- Transfers
- Pusher Unit
- 90° Roller Junctions
- Guard Rail

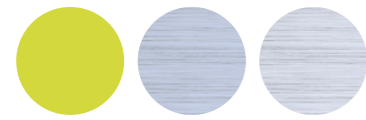
Also available in:

- Powder coated and
- Stainless steel

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

• Non standard widths available.





24V Roller Conveyor - Zero Line Pressure - Transportation



- 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:

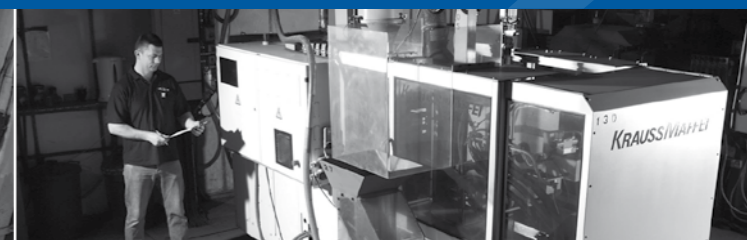
- Bends
- Switch Sorters
- Lift Up Gates
- Mitre Sections
- Pusher Unit
- Belt Transfer
- Guard Rail

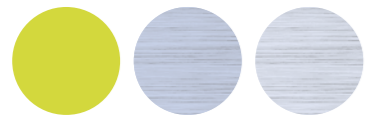
Also available in:

- Powder coated and
- Stainless steel

Specification				
Drive Capacity Per Roller	Roller Diameter	Roller Pitch	Standard Track Widths	Standard Speeds (metres per minute)
8kg 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.



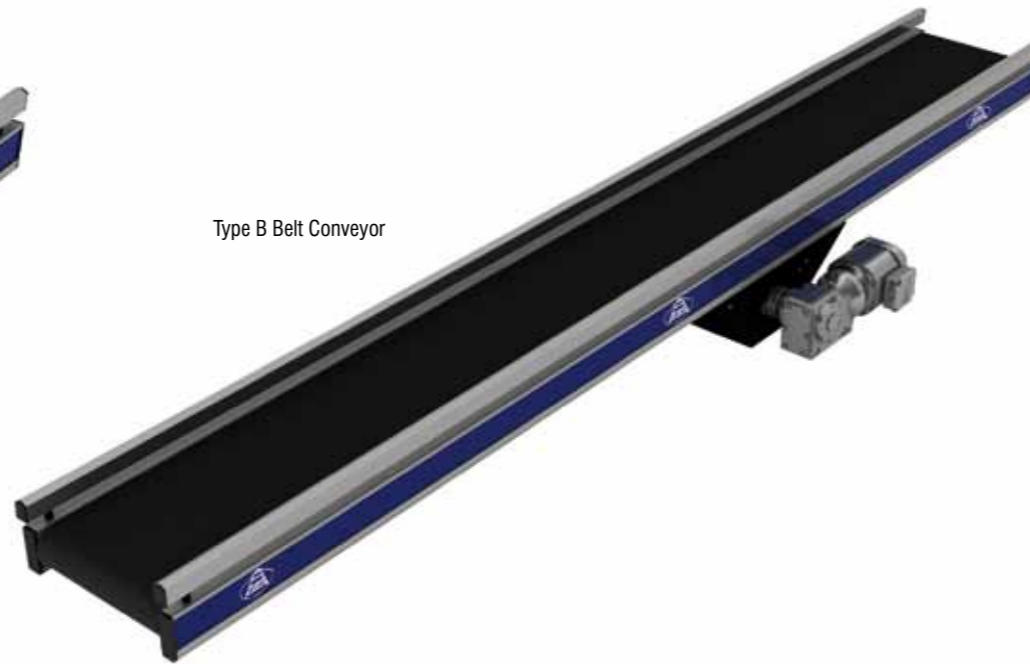


Belt Conveyor

Type A Belt Conveyor



Type B Belt Conveyor



Type C 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
- Guard Rail

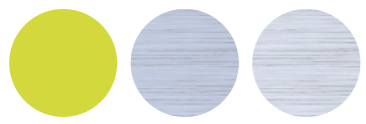
Also available in:

- Powder coated and
- Stainless steel

Specification		
Load	Belt Widths	Standard Speeds (metres per minute)
Up to 25kg per metre	370mm, 420mm, 470mm, 570mm, 720mm and 870mm	12 - 30 Others available on request.

- For inside track width add 42mm to belt width.
- Other configurations available.





Gravity Conveyor



Straight Track



Lift Up Gate



Bend



Ball Table

- 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:

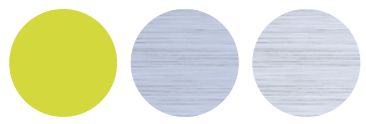
- Lift Up Gates
- Ball Tables
- Mobile Units
- Turntables
- Guard Rail

Also available in:

- Powder coated and
- Stainless steel

Specification					
Model	Static Load Per Roller	Roller Diameter	Roller Pitch	Inside Track Widths	Height from bottom of frame to top of roller
AL GR PF1	30kg	50mm	75mm, 112.5mm and 150mm	312 – 762mm (in 50mm increments)	85mm
AL GR PN1	45kg	50mm	60mm, 90mm, 120mm and 150mm	312 – 1012mm (in 50mm increments)	85mm
AL GR XU60	30kg	50mm	75mm, 100mm and 150mm	312 – 1012mm (in 50mm increments)	125mm





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.

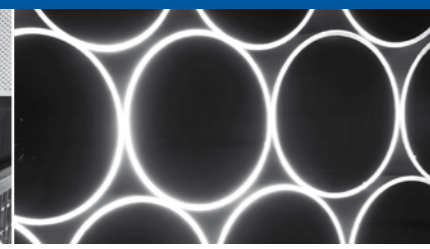
Ancillary modules include:

- Stops
- Line Brakes
- Switch Sorter
- Belt Transfer
- Guard Rail

Also available in:

- Powder coated and
- Stainless steel

Specification				
Drive Capacity Per Roller	Roller Diameter	Roller Pitch	Standard Track Widths	Standard Speeds (metres per minute)
4.5kg	50mm	75mm,	412mm	15 - 111 0 - 37kW - 1.10kW Motors available.
		100mm	462mm	
		and 150mm	512mm	
			612mm	
			762mm	
			912mm	



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.**

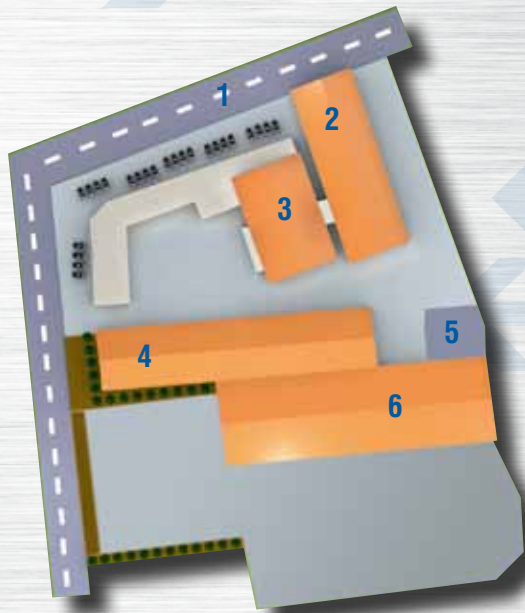


STOURPORT SITE

- 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



CONVEYOR UNITS
QUALITY • PERFORMANCE • RELIABILITY