



Post & Parcel Conveyor

Designed specifically
for the Post & Parcel
handling industry





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

- 2
24V Powered Roller Conveyor Round Belt & Poly V
 Advanced control system. A low maintenance, low energy conveyor due to minimum moving parts.

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

- 4
Belt Conveyor
 For careful and extremely low noise conveying.

- 5
Gravity Conveyor
 The most cost-effective and simplest conveying solution available.

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

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

- 8
Post & Parcel Conveyor
 Designed specifically for the high demands of the Post & Parcel handling industry.

- 9
24V Motorised Roller Conveyor
 A low maintenance, low energy conveyor due to minimum moving parts.

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 a million rollers manufactured every year.
- Over 20 km of conveyor produced each year.
- Designed and manufactured in accordance with the current Machinery Directive and is CE Marked.
- Over a third of conveyor orders shipped overseas.

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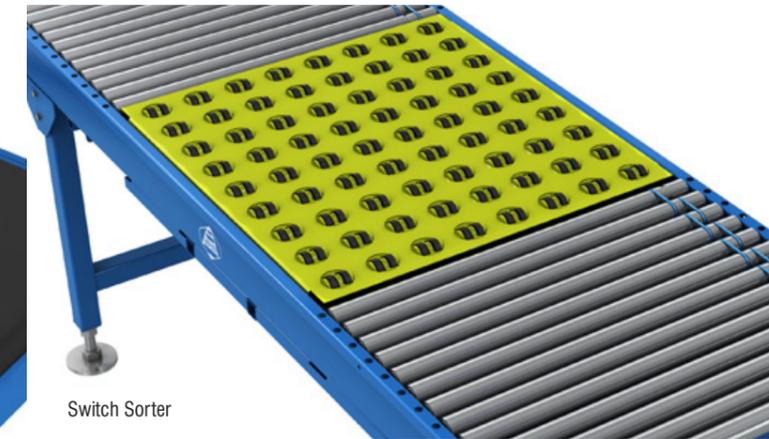
Focus on Post & Parcel Conveyor

Designed specifically to meet the exacting standards of a hugely demanding Post and Parcel handling industry, our new range of Belt Conveyors and multi-functioning Switch Sorter units provide the robust, efficient and precise product movement this sector insists upon.

Conveying a variety of shapes, sizes and loads up to 80kg/Metre, this high performance, reliable range of equipment is modular in design, providing easy installation and integration across the UNI-XU® range of products. Maintenance access is quick and simple.



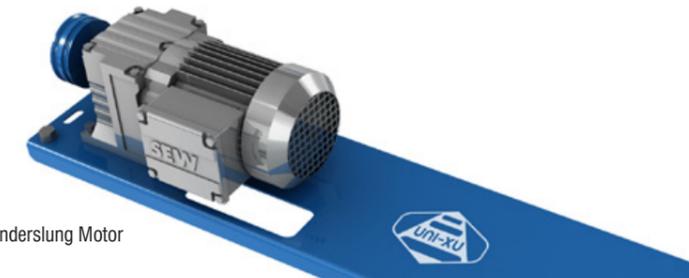
Belt Conveyor



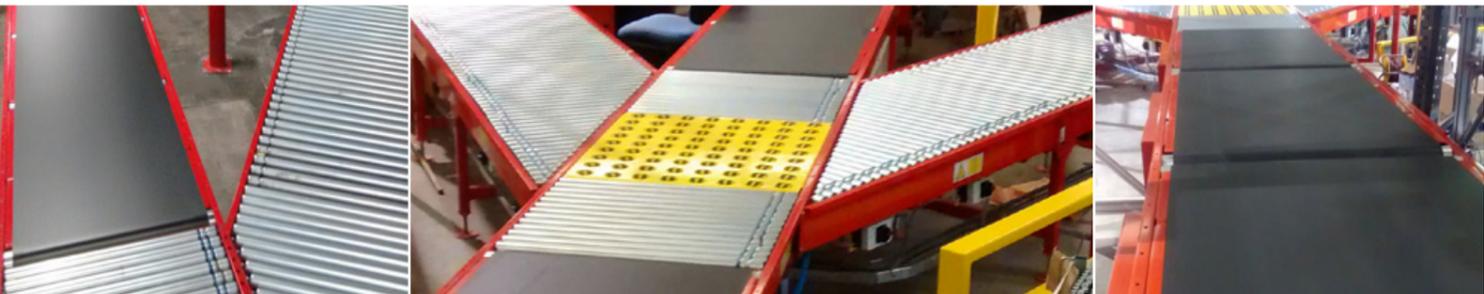
Switch Sorter



Bend Unit 'Z' Section



Underslung Motor



Key Post and Parcel Belt Conveyor Features	Benefits
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, no chains and sprockets to wear and capable of long runs / heavy loads.
100mm dia End Terminal Rollers.	High strength while handling small loads.
Fixed - non rotating - bosses on End Terminals.	Improved operator safety.
Change of direction chain transmission can be either side.	Ease of access for maintenance.
Rubber lagged drive drums.	Positive non slip drive transmission.
Key Post and Parcel Switch Sorter Features	Benefits
Sorts up to 4200 parcels per hour.	Increased parcel handling capacity.
Wheel pattern split into 6 independent zones.	Multi-function capabilities - divert, merge, centralise, pre-sort.
AC Drive Option 230 / 400 V AC drives.	AC drives provide increased, controllable, drive to both rollers and wheels when used with frequency inverters.
Option for 24V electric actuated Switch Sorter.	Low voltage, no air required.

Ancillary modules include:

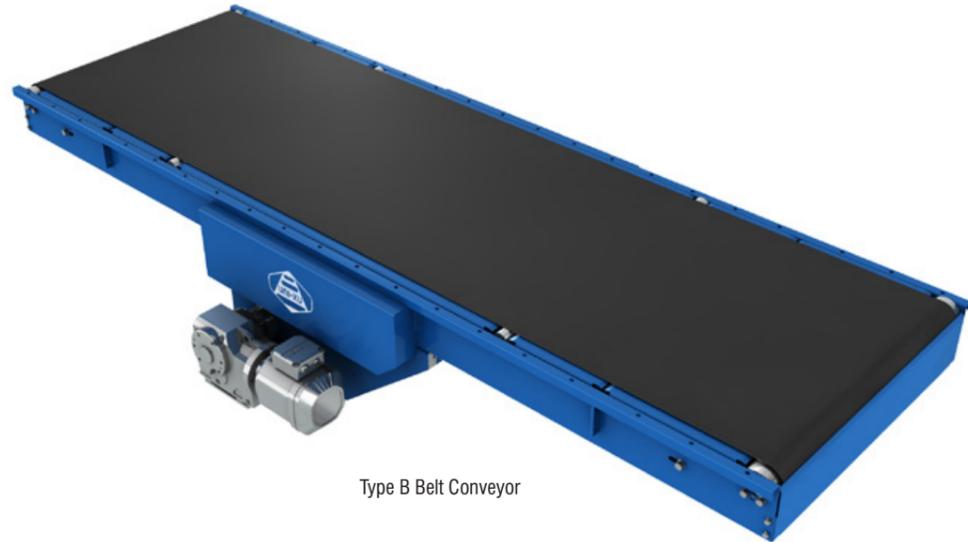
- Post & Parcel Belt Conveyor
- Post & Parcel Switch Sorter
- Post & Parcel Underslung Motor Conveyors
- Post & Parcel Lineshaft on Mobile Base (straights and curves)
- Post & Parcel Heavy Duty Gravity Conveyor

Key Post and Parcel Underslung AC Motor Drive Conveyor Features	Benefits
Underslung Motor Gearboxes drive small dedicated sections of the conveyor.	Enables individual control over small zones of the conveyor.
Common parts used between modules.	Common and fewer spares required.
No timing belts, chains or sprockets.	Reduced maintenance.
Strong, quiet drive to top rollers.	Positive drive for packages of a wide weight range and giving a quiet working environment for operators.
Strong 0.09kW of power from each drive (0.37kW on rubber taper roller bend).	When driven with inverters, desired speed can be well maintained which aids accurate product tracking.
Bend rollers are available with either plastic or rubber true taper rollers.	ABS plastic offers impact resistance and durability. Rubber covered provides greater level of grip and positive control of product speed - required when tracking products.





Belt Conveyors Horizontal



Type B Belt Conveyor

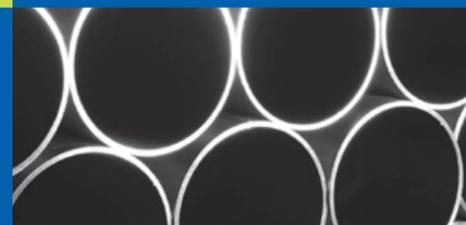
- Fitted with geared motor units up to 3 kW.
- 178mm x 32mm x 2.5mm fully jig welded 'Z' section framework.
- Available with belts up to 850mm wide / frames up to 912mm wide as standard.
- Load capacity of 80kg/m.
- Standard speeds up to 90 metres per minute.
- Black PVC endless smooth top, grip top or longitudinally ribbed conveyor belt.
- Can be supplied with 60 / 150 / 300mm side guides.
- Optional pop out rollers at either or both ends.
- Full width steel undersheet fitted as standard.
- Reversible.
- Available as Incline, Decline and Horizontal.

Incline



Type C Belt Conveyor

- Fitted with geared motor units up to 3 kW.
- 178mm x 32mm x 2.5mm fully jig welded 'Z' section framework.
- Available with belts up to 850mm wide / frames up to 912mm wide as standard.
- Load capacity of 80kg/m.
- Standard speeds up to 90 metres per minute.
- Black grip top or longitudinally ribbed conveyor belt.
- Can be supplied with 60 / 150 / 300mm side guides.
- Optional pop out rollers at either or both ends.
- Full width steel undersheet fitted as standard.
- Standard angles of 10°, 15°, 20° and 25°. Other angles available on request.
- Reversible.
- Available as Incline or Decline.





Pneumatic Switch Sorter



Pneumatic Switch Sorter

- 2520mm module length.
- Fitted with two underslung AC motor drives.
- 178mm x 32mm x 2.5mm fully jig welded 'Z' section framework.
- Rollers set at 60mm pitch.
- Load capacity up to 80kg/m.
- Sort capacity of up to 4200 products per hour.
- Wheel pattern split into 6 independent zones, giving capability to divert, merge, centralise, pre-sort.
- The sorter wheels are independently driven from a 0.37 kW SEW motor, to give speeds up to 110 metres per minute.
- The 230/400 V AC drives, when used with frequency inverters, provide increased drive to both rollers and wheels.
- We recommend that an inverter is fitted to enable fine tuning of speed required to suit your application.
- Incorporates double acting pneumatic cylinders.
- Can be supplied right handed, left handed or bi-directional.
- 30° switching angle.
- Normally used in conjunction with a 30° mitre section.
- Accumulation is not advisable on these units.
- Minimum product size 200mm x 200mm.
- Standard width available: up to 912mm.

Both pneumatic and full electric options.



Electric Switch Sorter - No Air Required!



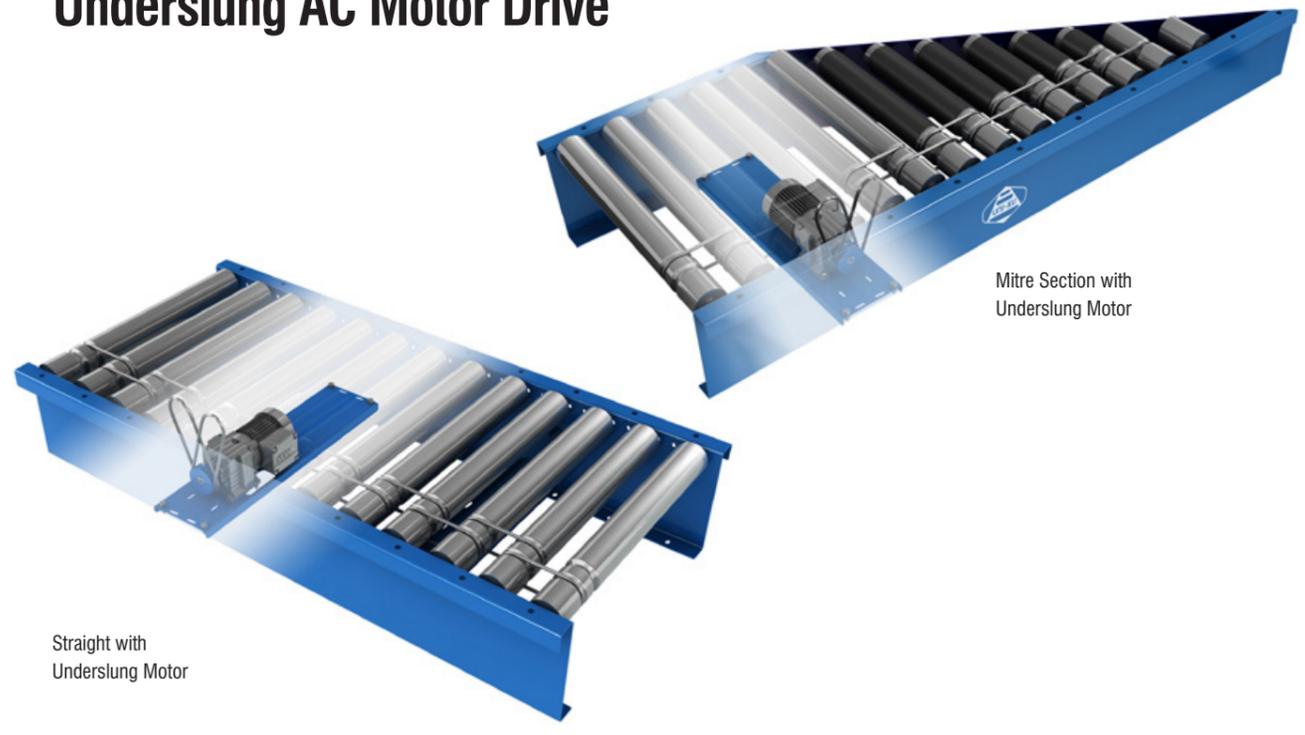
Electric Switch Sorter

- 1680mm module length.
- Fitted with two underslung AC motor drives.
- 178mm x 32mm x 2.5mm fully jig welded 'Z' section framework.
- Rollers set at 60mm pitch.
- Load capacity up to 80kg/m.
- Sort capacity of up to 4200 products per hour.
- Wheel pattern split into 6 independent zones, giving capability to divert, merge, centralise, pre-sort.
- The sorter wheels are independently driven from a 0.37 kW SEW motor, to give speeds up to 110 metres per minute.
- The 230/400V AC drives, when used with frequency inverters provide increased drive to both rollers and wheels.
- We recommend that an inverter is fitted to enable fine tuning of speed required to suit your application.
- Incorporates six 24V DC electric actuators for the rotation of the wheels.
- Supplied with all actuator controllers housed in a single control box.
- 30° switching angle.
- Normally used in conjunction with a 30° mitre section.
- Accumulation is not advisable on these units.
- Minimum product size 200mm x 200mm.
- Standard width available: up to 912mm.





Underslung AC Motor Drive



Straight with Underslung Motor

Mitre Section with Underslung Motor

Straight

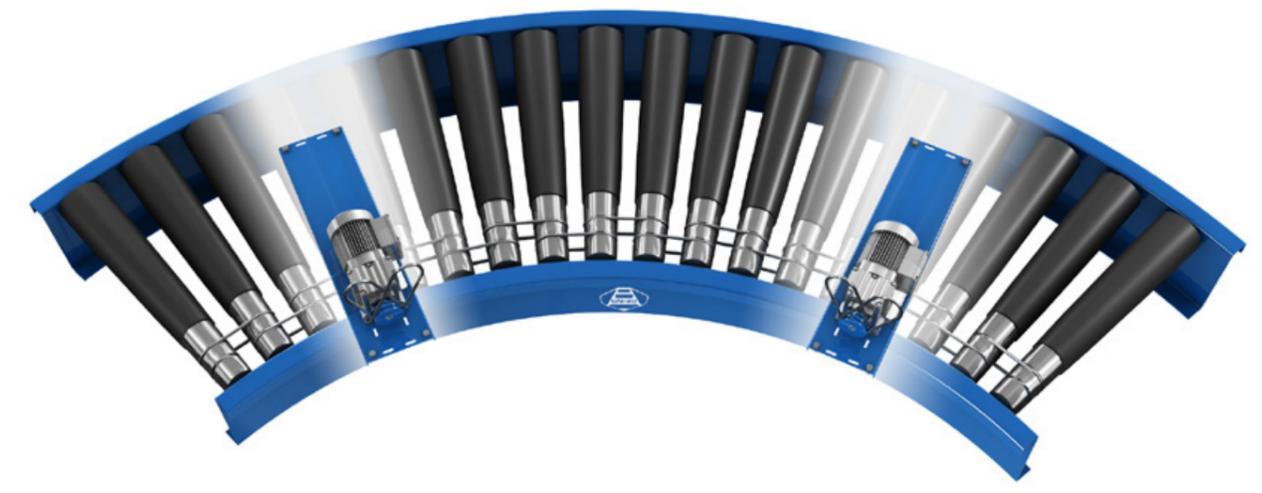
- 178mm x 32mm x 2.5mm fully jig welded 'Z' section framework.
- 50mm Dia. rollers fitted at 60mm, 75mm, 100mm or 150mm roller pitch.
- Band driven to top rollers direct from pulley on motor shaft.
- Load capacity of 80kg/m.
- Fitted nominally every metre with 0.09kW Motor Gearbox units.
- Standard speeds up to 90 metres per minute.
- Available with either 230V (delta) or 400V (star) 3ph motors to suit inverter choice.
- Multiple drives can be connected from one inverter.
- Supplied in 3 metre fully assembled lengths as standard. Other lengths available on request.
- Standard widths available: up to 912mm.
- Reversible.

Mitre

- 30° and 45° angle.
- Can be used as an inbound or outbound mitre – fully reversible.
- Fitted with 1 or more 0.09kW geared motor units.

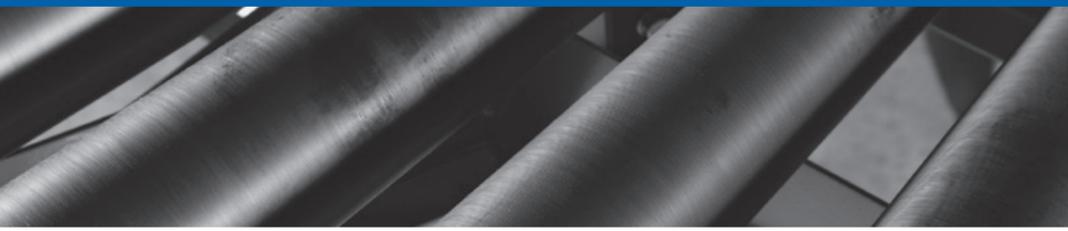


Underslung AC Motor Plastic Roller Bend



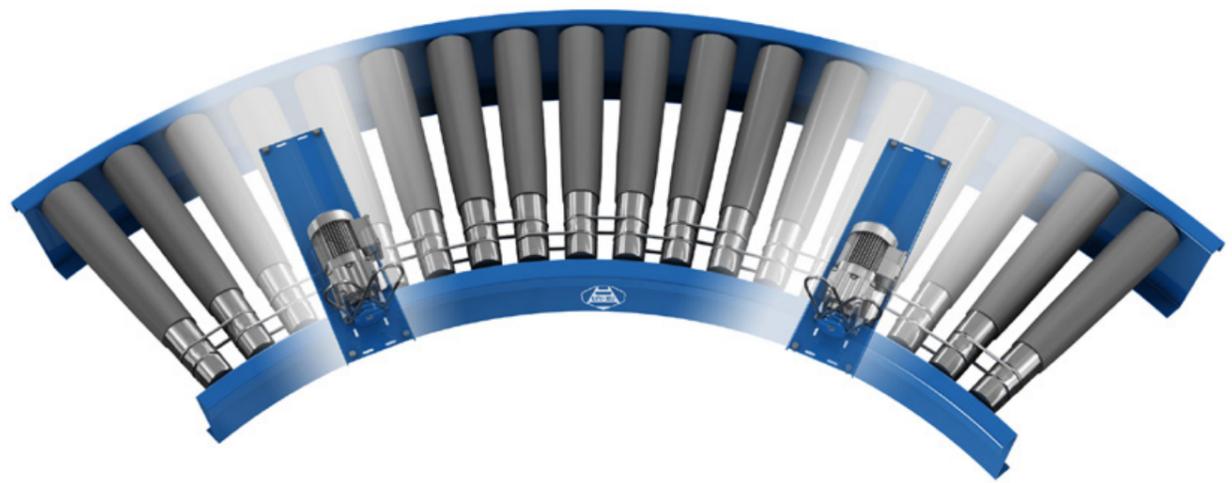
Plastic Sleeved Roller Bend

- 178mm x 32mm x 2.5mm fully jig welded 'Z' section framework.
- Available in 30°, 45°, and 60° units.
- 60mm and 75mm roller pitch on inner radius.
- All bends have an inside radius of 859mm.
- All bend rollers have durable True taper ABS plastic taper segments to ensure correct load orientation and are double grooved at the drive belt position.
- Band driven to top rollers direct from pulley on motor shaft.
- Fitted with geared motor units of 0.09kW power.
- Load capacity of 80kg/m.
- Standard speeds up to 90 metres per minute.
- Reversible.
- Available with either 230V (delta) or 400V (star) 3ph motors.
- Multiple drives can be connected from one inverter.
- Standard widths available: up to 912mm.





Underslung AC Motor Rubber Roller Bend



Rubber Sleeved Roller Bend

- 178mm x 32mm x 2.5mm fully jig welded 'Z' section framework.
- Available in 30°, 45°, and 60° units.
- 60mm and 75mm roller pitch on inner radius.
- All bends have an inside radius of 859mm.
- All bend rollers have durable true taper rubber taper sleeves to ensure correct load orientation and are double grooved at the drive belt position.
- Band driven to top rollers direct from pulley on motor shaft.
- Fitted with geared motor units of 0.37kW power.
- Load capacity of 80kg/m.
- Standard speeds up to 90 metres per minute.
- Reversible.
- Available with either 230V (delta) or 400V (star) 3ph motors.
- Multiple drives can be connected from one inverter.
- Standard widths available: up to 912mm.



Straight Mobile



Mobile Lineshaft Straight Track

- 178mm x 32mm x 2.5mm fully jig welded 'Z' section framework.
- 50mm dia. rollers fitted with precision bearings.
- Drive capacity XU90 12kg per roller.
- Available in 60mm, 75mm, 100mm and 150mm roller pitch.
- Low pressure accumulation.
- Drive up to 36 metres from one 0.75kW drive unit.
- Standard speeds of 12, 15, 20, 25 and 30 metres per minute.
- Suitable for conveying very small products with a minimum product length of 180mm.
- Supplied in 6 metre fully assembled lengths as standard. Other lengths available on request.
- Standard widths available: up to 912mm.





Bend Mobile



Mobile Lineshaft Bend Unit

- 178mm x 32mm x 2.5mm fully jig welded 'Z' section framework.
- All bends have true taper plastic rollers to ensure correct load orientation and are double grooved at the drive belt positions.
- Drive capacity XU90 12kg per roller.
- Available in 75mm roller pitch (on inner rail).
- Standard speeds of 12, 15, 20, 25 and 30 metres per minute.
- Heavy duty XU90 belts are used throughout.
- Bend units can be supplied fitted with geared motor units, (45° and 60° only).
- Intermediate rollers are available.
- The lineshafts are inter-connected by constant velocity (needle roller bearings) universal joints, housed within a rubber gaiter.
- All bends have an inside radius of 859mm.
- Angles available 30°, 45° and 60°.
- Standard widths available: up to 912mm.

The UNI-XU® range of Post & Parcel Conveyors providing the ideal solution.

- Post & Parcel Belt Conveyor
- Post & Parcel Switch Sorter
- Post & Parcel Underslung Motor Conveyors
- Post & Parcel Heavy Duty Gravity Conveyor
- Post & Parcel Mitres
- Post & Parcel Lineshaft on mobile base (*Straights and Curves*)



Support Stands



Support Stand

Robust support stands to complement this conveyor range. Made from 50 x 50 x 2.5mm thick rolled hollow section, having zinc plated steel feet with M20 threaded bar for height adjustment.

- Heights up to 3 metres.
- +/- 32mm height adjustment.
- Welded construction.
- Powder coat paint finish on main structure.



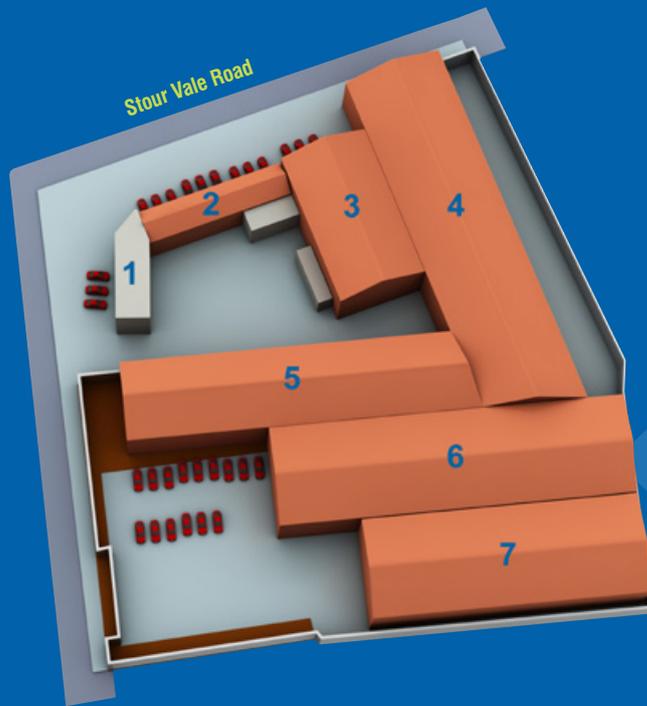
Rollers and Spares

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.



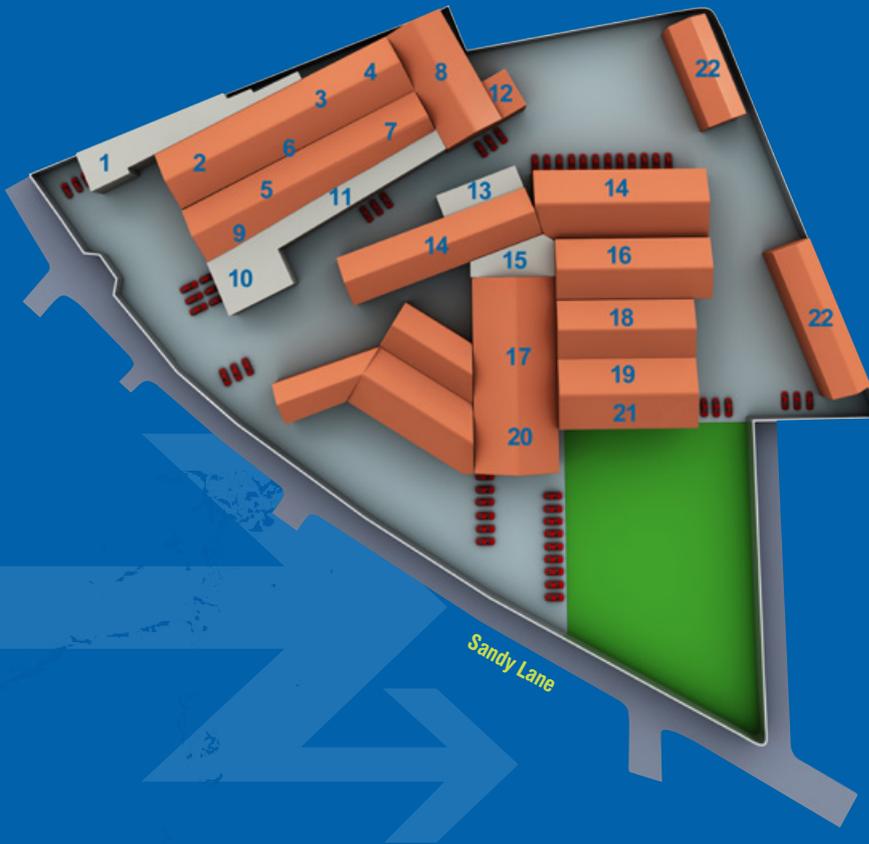
LYE SITE

- 1 Reception / Sales Office
- 2 Spray Area & Tool Room
- 3 Fabrication Area
- 4 Roller Department
- 5 Press Department / Component Manufacture
- 6 Flexible Conveyor Assembly
- 7 Bearing Assembly & Stores



STOURPORT SITE

- 1 Main Reception / Sales Office
- 2 Despatch
- 3 Ancillary Assembly
- 4 Press Brake
- 5 Powder Coating Plant / Curing Oven
- 6 Production Welding
- 7 Bend Fabrication
- 8 Press / Laser Processing
- 9 General Assembly
- 10 Belt Conveyor Assembly
- 11 Stores
- 12 Goods Inwards
- 13 Accounts / Purchasing Departments
- 14 Principal Roller Department
- 15 Tapered Roller Assembly
- 16 Pallet Conveyor & Special Product Assembly
- 17 Injection Moulding
- 18 Punch Press / Laser Department
- 19 Aluminium Conveyor Assembly
- 20 Product Development
- 21 Showroom / Demonstration Area
- 22 Storage Warehouse



CONVEYOR UNITS
QUALITY • PERFORMANCE • RELIABILITY