

CONVEYOR COLLECTION

TODAY'S PRODUCTS,
TOMORROW'S ENGINEERING

This brochure contains details of some of the products in our vast range, for information of other materials handling equipment or for more bespoke machinery, please contact our Sales Team on 01924 461212 or visit our web site at www.riverbank-engineering.co.uk



As an expanding company:

- We produce solutions to your materials handling problems
- We deal with enquiries efficiently.
- We treat customers as individuals.
- No task too big or too small.
- Our products are **custom made**.
- We have the latest design

How We Can Help You

In the past Riverbank Engineering have built up a widespread reputation for high quality engineering. We offer a complete service which includes design, manufacture, installation, commissioning and servicing. Whether you require conveyors, turntables, package loaders, roller tracks or design facilities we will be happy to hear from you. We listen first and, by fully understanding your precise requirements, we will propose the most effective method to achieve maximum results for your application. Inclines, declines at specific angles, up to mezzanines, across machines, complete pallet handling; we are able to provide movement



Riverbank Engineering Ltd is now incorporating Conveyors Yorkshire & Nuwave Systems. We are constantly making improvements to our methods and service.



Riverbank Engineering Ltd

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Belt Conveyors

Belt conveyors can be as narrow as 25mm and as wide as 2m and they can carry any shape or sized article or product as the belt supports it. The types of belt conveyor are:-

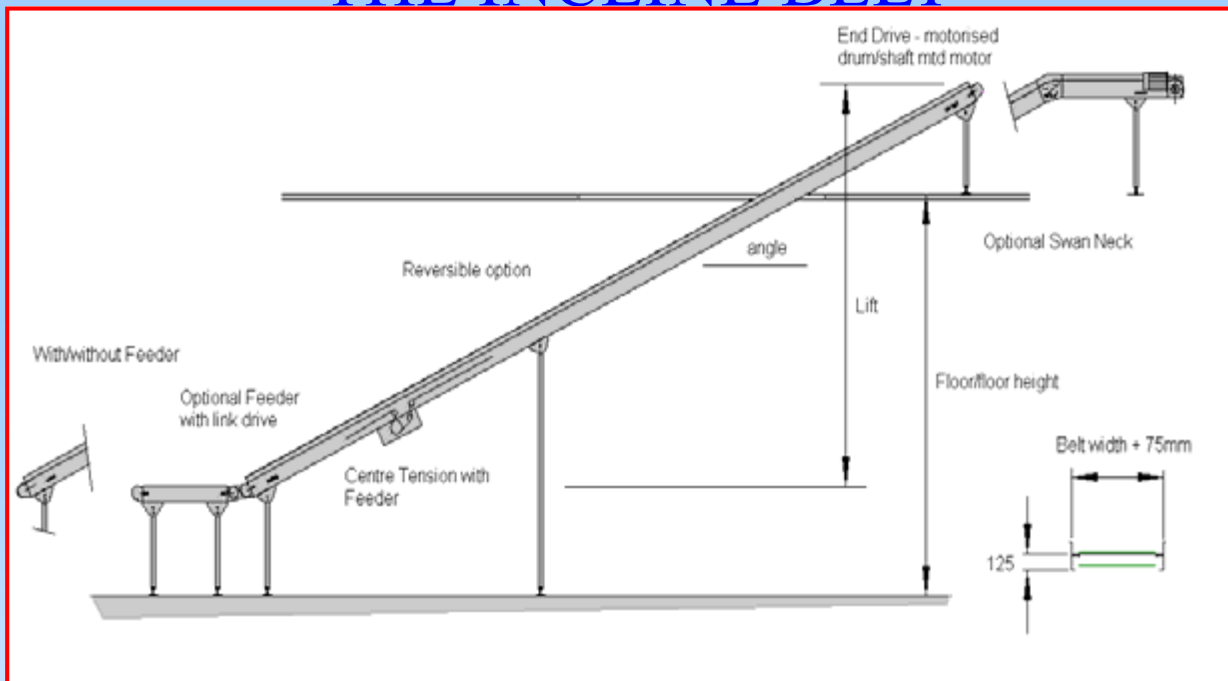
- Skid base—this will carry 40kg per unit load.
- Roller base—for carrying heavier loads, for example a 2000kg pallet.
- Dished belt conveyor—for carrying waste paper and other loose materials.
- Troughed belt conveyor—mainly used for carrying bulk loose materials.



Belt conveyor system handling mail bags for sortation

All the above conveyors can be horizontal, inclined or declined making them perfect for using in conjunction with other types of conveyor in a system.

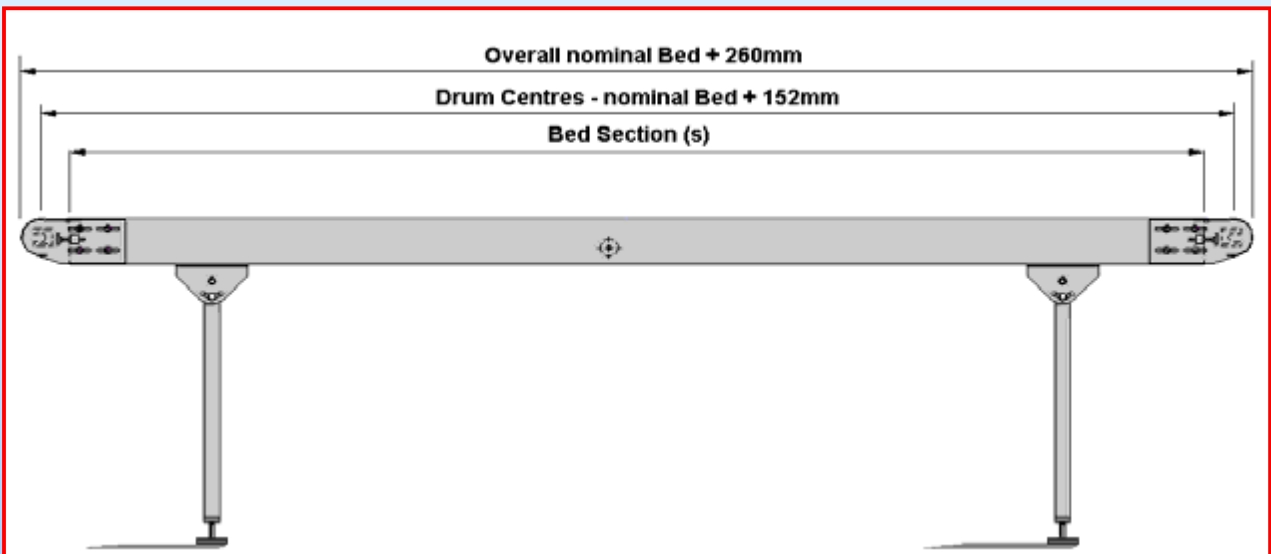
THE INCLINE BELT



Belt

bends are also available to take items through 45°, 90°, 135° or 180° angles.

THE HORIZONTAL BELT



The Horizontal Belt Conveyor is designed to handle goods of various types. The standard version can be adapted with either a flat skid base, dished, troughed or with a roller base for heavier loads. This makes the Belt Conveyor a versatile option to suit your application and can be incorporated into a system with other types of conveyor.

Standard Specification:

Dished bed

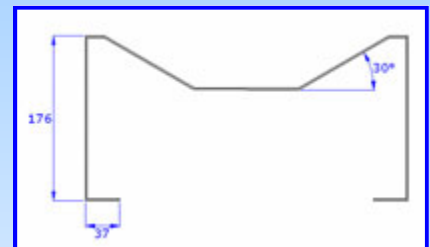
- Trunking: 2mm mild steel folded (for standard duty)
 3mm mild steel folded (for heavier duty)
- Drums: either 113 or 165 diameter crowned
- Belt: either 2ply PVC or Grip faced
- Tension: End tension unit
- Electrics: 400v 3ph 50Hz (single phase available on request)



Finish: Powder Coated
 RAL 5010 (other colours available on request)

Troughed bed

request)



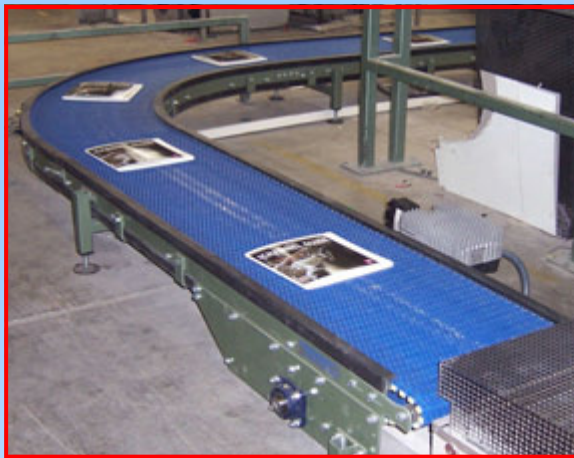
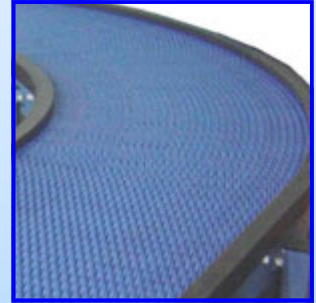
The conveyor has shroud plates completely enclosing the tension and drive roller giving maximum safety.

The conveyors can be of our standard design or adapted to suit your requirements. In addition, the conveyors can be made to run in both directions where extra rollers ensure that the belt tracking is achieved quickly and easily.

Plastic Modular Belt Conveyors

The Modular Belt Conveyor is a very versatile option. The belts can be flat or with flights, smooth or open mesh, straight running or flexible. With the advantage of a continuous base able to go round bends as well as inclines and declines without having separate units. The main advantages of this type of conveyor are:

- Easy to clean as well as being resistant to wear and heat,
- Suitable in many industries including food & beverage, pharmaceutical, packaging, corrugated card and automotive & tyre industries.
- Stay tracked, keep their shape and come in different widths, lengths and material properties with varied surfaces of belting.
- Long service life and in the unlikely event of a problem, maintenance time is minutes not hours due to only needing to repair the section that is damaged rather than replacing the entire belt.
- Increases security for personnel walking across lines, like in the assembly of vehicles.



The flexible belting can take your product on one unit, round bends as well as inclines and declines with a continuous base and requiring only one drive unit, the modular belt conveyor is a more cost effective solution with this in mind (shown in the picture below for the printing industry). The belts are taken around sprockets giving them positive drive and tracking.

Special materials are also available such as anti-static, heat resistant, acid resistant, chemical resistant, flame retardant or impact proof.

The standard grades of the plastic belting are:

Polyoxmethylene (POM) withstanding temperatures from -40 to 90 degrees C, a thermoplastic self lubricating material with resistance to some

chemicals, wear and has good strength elasticity and stability;

Polypropylene (PP) withstanding 1 to 104 degrees C, an economical material for applications with high temperatures, also has good resistance to some chemicals; and

Polyethylene (PE) withstanding -50 to 80 degrees C, an economical material for applications with low temperatures.

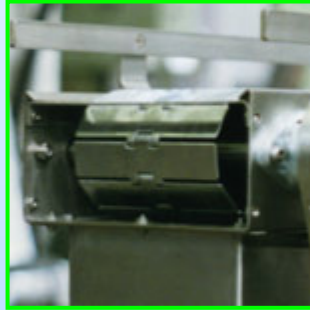
Some belt types have varying accessories such as tabs, product supports, side guides and finger plates.

Our technical experts will be able to advise you on the most suitable belt for your application according to your requirements.

The picture on the right shows an Incline/Horizontal Modular Belt Conveyor with a flighted belt suitable for carrying plastic mouldings,



Slat Top Chain Conveyors



Also known as Flat Top Chain Conveyors they can be straight running or flexible and the chains are taken around sprockets giving them positive drive, like the Plastic Modular Belt Conveyor.

They come in various materials such as:

Plastics, POM, PP, PE including special properties (see modular belting for temperatures, resistance to chemicals and wear,



strength and elasticity)

Hardened steel (AISI 1045),

Stainless steel (AISI 304),

Stainless steel with magnetic properties (AISI 430)

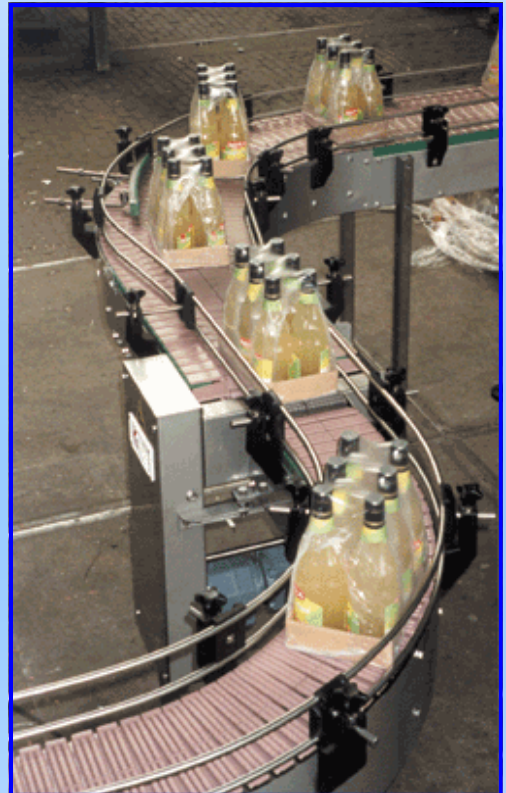
All steel withstanding temperatures from -70 to 430 degrees C. Other grades can be supplied including steel chains with ground top surface.

The pictures above show, from left to right, a plastic side flexing chain, a stainless steel conveyor with stainless steel straight running chain and lower left a conveyor with plastic straight running chain.

These conveyors suit many applications where the product has a narrow base.

The conveyor on the right is a plastic slat top chain conveyor with adjustable side guides taking packed bottles around an 'S' bend. These conveyors are commonly used in the food and beverage industries.

This system shown below is carrying paint tins to a filling machine, they are accumulating along in one continuous line up and down the lanes. The lower right picture is a small section which shows how the paint tins move around the bend, the chains are straight running in opposite directions so that the curved guide at



Powered Roller Conveyors

There are many types of Powered Roller Conveyor, there are chain driven roller to roller, transitional chain driven and line-band driven roller to roller. There are also two ways of driving a powered roller conveyor, either by using a drive unit or by using motorised rollers alongside gravity rollers. The type of powered roller conveyor used would depend on the application and requirements, whether it be light or heavy duty. Conveyors can be used in transportation mode, for indexing accumulation or for zero pressure accumulation (zoning), all may use photoelectric cells to achieve this.



Pallet Handling—Standard

TANGENTIAL CHAIN DRIVEN

The Riverbank Engineering Straight Pallet Roller Conveyor is designed for the transportation of Euro-pallet sizes as well as the popular Chep type 1200 x 1000mm pallet with unit loads of up to 1500kg. These heavy duty conveyors are of modular construction and can be combined with a wide range of pallet handling equipment (shown over the page) forming a complete pallet handling system. The sides are constructed of 'C' section allowing for cabling to be concealed behind a fascia and chains are also fully enclosed giving maximum safety. Rollers are driven tangentially by $\frac{5}{8}$ " chain in a fully enclosed side channel. The system offers minimal backlash and easy tensioning without having to remove guards.



Standard Specification

Inside Frame:-	1152mm
Rollers:- 150mm	80mm diameter Zinc plated at pitch
Sides:-	4mm mild steel folded
Guards:-	3mm mild steel folded
Minimum height:-	400mm Top of roller
Speeds available:-	12m/min and 18m/min
Loads:-	1500kg per Pallet, 4500kg per Drive
Finish:-	Powder coated to RAL 9006 silver/grey

Our conveyors are despatched in modular assembled form, assuring minimum installation time on site.

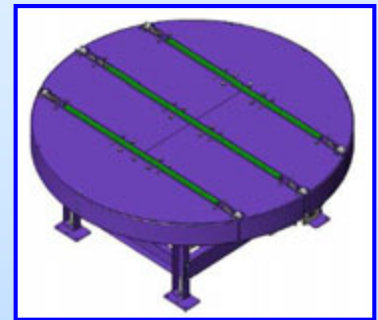
Function of Operation—This conveyor may be used in transportation mode, for an indexing accumulator or single

STANDARD PALLET HANDLING



Turntables: These modules are designed to change the direction of pallet from and angle of 90 to 180 degrees in the same orientation.

- Rotation angle of 90 to 180 degrees
- 147 pallets per hour rotating 90 degrees
- 2 rotation speeds of 2rpm and 4rpm
- Conveyor speeds of 12m/min and 18m/min
- Pallet dimensions 800/1000 L/R
- 900mm Chain centres (Chain Turntable)



Transfers: These transfers offer exceptional support for pallets during the transfer operation. The following modules combine the features and benefits of the roller systems and chain conveyor in one unit.

Chain Transfer

- 150mm roller pitch
- 3mm thick steel rollers with steel sprockets
- 3/4" pitch flat sided chain
- Types:
 - Single handed transfer to transfer unit
 - Single handed extended transfer to transfer unit



Roller Transfer

Roller Transfers are a self contained unit, which can be fitted to a new or existing chain conveyor straight. The pop-up roller is powered by 2 motorised rollers.

- Tangential chain drive
- 4mm thick side channels
- 3 and 5mm thick roller options
- 150 roller pitch



Double Transfer

These modules are available to suit the standard pallet conveyor widths.

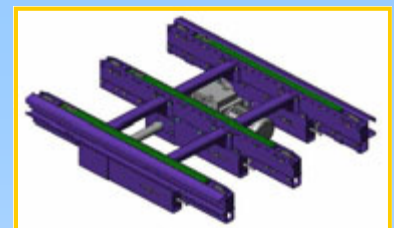
- 150mm roller pitch
- Bi-directional control available
- Conveyor speeds of 12m/min and 18m/min
- Maximum pallet weight 15000kg



Chain Conveyor Straight

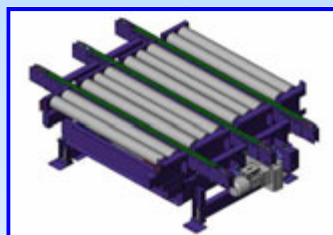
These modules are available in two and three chain versions. Chain tensioning is quick and easy with no requirement to remove any guards.

- 1500kg pallet load capacity
- 4mm thick side channels
- 3/4" pitch flat sided linked chain running on low friction, hard wearing polymer guide strips
- Ability to run cables and pneumatics in side channels
- Chain in same lateral position on each module giving a smooth clean appearance and aiding cable runs
- Hollow crossties to enable cables to run from one side of the conveyor to the other

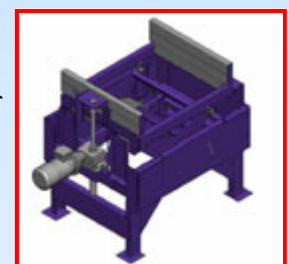


Centre Transfer

All the benefits as above with the additional benefit that pallets can be received and transferred in either direction



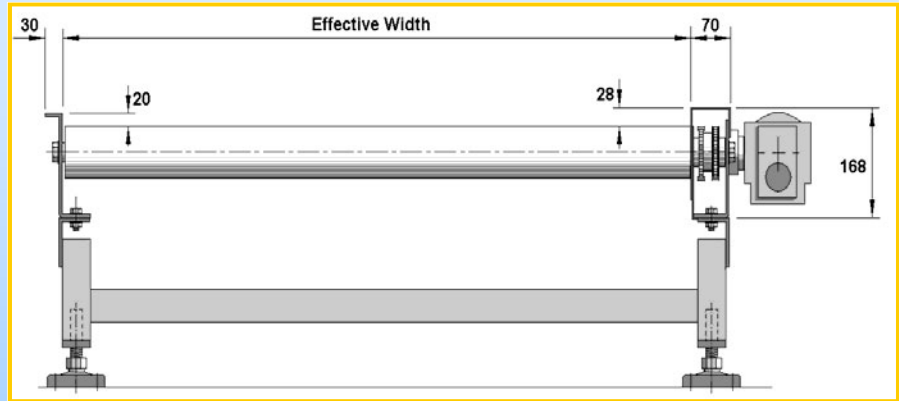
Beam Lift Assembly



Pallet Handling—Customised

CHAIN DRIVEN ROLLER TO ROLLER

The Riverbank Engineering Chain Driven Powered Roller Conveyor is designed for the transportation of a variety of pallets with unit loads of up to 2000kg. They are of modular construction and can be combined with a wide range of accessories forming a complete pallet handling system. These conveyors are driven from roller to roller using heavy duty chain and are fully guarded giving maximum safety.



Standard Specification

Nominal widths:- 900mm, 1100mm, 1300mm

Sides:- 5mm mild steel folded

Guards:- 3mm mild steel folded

Supports:- 50mm sq. HS

Loads:- 2000kg per Pallet, 5000kg per Drive

Rollers:- 80 or 89 mm diameter Zinc plated

Available pitches:- 103mm, 150mm, 198mm

Minimum height:- 150mm Top of roller

Electric's:- To suit requirements

Finish:- Powder coated to RAL 5010

Alternatively these conveyors can be fabricated in stainless steel. Our conveyors are despatched in modular assembled form, assuring minimum installation time on site.

See standard range for function of operation, transportation, indexing and zero pressure accumulation.

Chain Transfer Units—Lifted pneumatically between rollers, to take pallets across at right angles to and from Powered Roller Conveyors. Can be used anywhere down the length of the conveyor. Chain transfers are either twin or triple chain according to pallet sizes and pitch, the picture on the right shows one of these.



Turn Tables—A length of Powered Roller Conveyor fitted onto a motorised slewing ring, giving a minimum height of 350mm top of roller. Can be used to turn the pallets through 90° in the same orientation, it can also be used as a multiple junction.

Shuttle Cars—A Mobile Roller Conveyor on heavy duty castors that can be run along floor rails across to various Powered Roller lines or Gravity Roller storage. The rollers and shuttle cars can be powered. Minimum height is 350mm.

De-palletiser—To remove boxes from the pallet so that they can be transported individually to other operations.

Pallet Stacker or Dispenser—Working in similar ways one would be used in the packaging area, dispensing pallets when required. The pallet stacker can be used in conjunction with a De-palletiser making the process more

Lineshaft Conveyors



Lineshaft Conveyors showing straight track with a pusher and, from the bend, a merge unit.

Lineshaft powered conveyors provide an economical solution to conveying and accumulating items with a firm base. They can carry up to 25kg per unit load over longer lengths powered by one drive unit, making them easier to run and maintain at a lower cost. Various units can be put together to form a system like the picture (right) these include:

- Merge units—allowing 2 lines to filter into 1.
- Switches—diverting 30° from the main line.
- Mitres—45° diverting from a straight run.
- Bends—including 30°, 45°, 60°, 90°.
- Corner units—used where space is restricted.

- Lift up gate section—giving 900mm of clear pedestrian access.

This wide range of units allow complex systems to be formed easily and can also be combined with any other type of conveyor creating a fully automated turnkey system.

There are accessories also be

Heavy Duty Slat

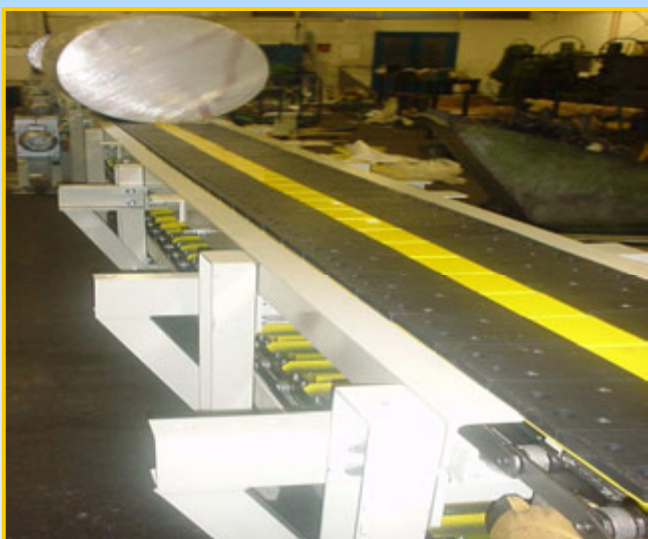
many that can added to these



conveyor including chain transfer units, pushes and various stops.

The heavy duty Slat Conveyor is ideal for pallet handling, hot oily parts, production, assembly lines and any other application requiring a flat surface for conveying.

These heavy duty conveyors can be used for various applications indoor and out, and for loads with an uneven base.



Powered Loading & VEHICLE LOADER



This extremely versatile and easy manoeuvrable powered belt conveyor is designed to load and unload vehicles and mezzanine floors.

The twin belt machine has reversible controls at either end for ease of operation and safety, therefore the conveyor can be operated from either inside the vehicle or on the warehouse floor.

Manual hydraulic height adjustment on the main boom section. Simple screw-jack height adjustment on the in feed boom for levelling, to give required loading heights and smooth transfer when used in conjunction with other conveyors.

Many different widths and boom lengths are available for a variety of applications and parcel / container sizes and weights.

Capable of handling loads of up to 50kg per metre, fully underguarded with all

turning parts enclosed for safety.

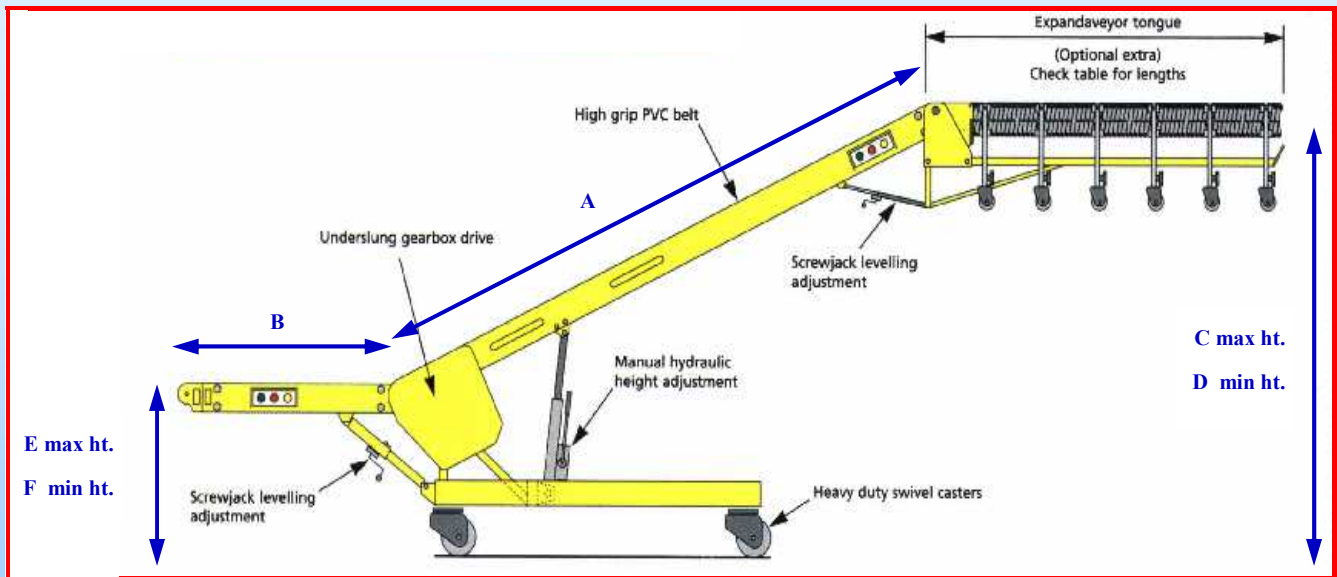
A useful option is the Expandaveyor gravity tongue with either rollers or skate wheels, which is factory mounted to the top end of the main boom as shown above. This tongue can be lowered onto the vehicle floor by using the screw jack fitted, the conveyor is then extended or retracted as necessary.

This conveyor can be used independently, servicing one or more loading bays, or can also work as part of a system in conjunction with other conveyors within the range.

Specifications

Standard belt widths:	400mm, 500mm & 600mm
Belt material:	Two ply, high grip PVC with vulcanised joints.
Boom lengths:	See table.
Belt Speed:	22m/min.
Chassis construction:	Heavy gauge fabricated hollow steel section.
Boom construction:	Folded steel flat slider bed design.
Drive:	0.375kW flange mounted gear box motor mounted below pivot.
Electrical supply:	400 volts 3 phase or 210 volts single phase.
Control:	24 volt IP65
Standard colour:	Yellow RAL 1003. Other colours available on request.
Height adjustment:	Main boom; manual hydraulic

VEHICLE LOADER DIMENSIONS



MODEL SIZES (OPTIONAL EXTRA)

Ref	A	B	C	D	E	F
VL1	2500	1000	2100	950	1150	600
VL2	2500	1500	2100	950	1550	200
VL3	3000	1000	2400	950	1150	600
VL4	3000	1500	2400	950	1550	200

EXPANDAVEYOR TONGUE

Ref	Model type	Expanded length
ETW-4	PVC skatewheel	4m
ETW-5.5	PVC skatewheel	5.5m
ETW-7	PVC skatewheel	7m
ETR-4	PVC roller	4m

ECONO-LOADER

VL5	3500	1500	2500	950	1550	200
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ETR-5.5	PVC roller	5.5m
ETR-7	PVC roller	7m

The Econo-loader is mobile single boom belt conveyor for loading and unloading vehicles and mezzanine floors.

Extremely versatile and easy manoeuvrable, robust enough to handle loads of up to 50kg per metre.

Manual hydraulic height adjustment for even greater versatility.

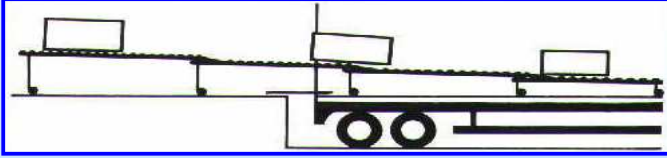
Reversible operation with controls at either end of the machine. Grip top PVC belt with horizontal load/take-off section set at 20° to the incline makes this machine completely operator friendly.

- Standard widths: 400mm and 600mm
- Standard heights: 750mm approx. fixed end
1300/2500 adjustable end
- Standard speed: 20 metres per minute



Flexible & Extending

TELESCOPIC EXPRESSWAY



The Telescopic Expressway is a robust extendable gravity track with sections linked together by sliding transfer sections to provide a useful means of loading, unloading vehicles or moving goods within the warehouse or stores. This unit is available with either 2, 3 or 4 decks with various lengths and widths. Designed loading of 50 kg/m.

Mounted on castors, the unit is quite easy to move around and will stack neatly away when not in use.

The height and slope can be adjusted either by leg supports of telescopic design or by means of a convenient screw jack arrangement as illustrated over leaf.

Construction:

Solid all welded steel construction based on a 75mm deep side channels with hollow section steel re-inforcing brackets and leg supports.

High impact 50mm dia. PVC rollers at 65mm pitch throughout give first class performance with long life durability. 20mm dia. package travel between decks.

Designed loading of 50kg per metre

Standard sizes:

Track widths:	400mm, 500mm, 600mm and 700mm						
Lengths:	Closed	2.3	2.6	3.0	3.4	3.5	4.2
	Extended	4.0	6.0	8.0	6.0	9.0	12.0
Number of decks		2	3	4	2	3	4

Options

Special paint finishes - stainless steel bearings for wet environments.

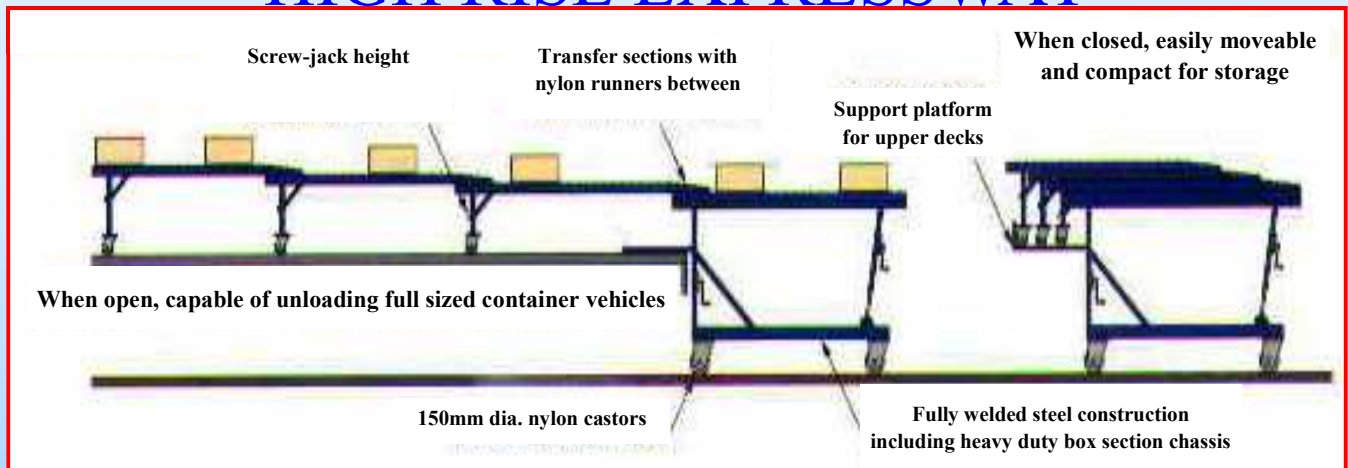
HIGH RISE TELESCOPIC EXPRESSWAY

Non-standard sizes to suit particular applications and skate wheel models with interlocking pitch available for small sized products. Please call for a quotation and more variations on sizes and roller types.

This is a High Rise version of the Telescopic Expressway intended for unloading only without the need of a loading dock. It is a heavy duty conveyor, mounted on a large and robust box section chassis, with an adjustable platform to suit most tail board heights.



HIGH RISE EXPRESSWAY



Construction:

Fully welded steel construction gives the machine its strength and with 50mm dia. low inertia PVC rollers set at centres of only 65mm it is capable of handling small and large parcels alike.

Smooth transfer between decks is achieved by a series of 20mm dia. steel rollers within a transfer slider section.

Standard sizes:

Standard widths:	600mm
Standard length:	Closed: 4350mm
	Open: 13500mm overall (10,000mm within vehicle)
Vehicle tailboard height range:	1150/1500mm
Load height in vehicle:	700/900mm
Discharge height:	1500/1700mm (outside vehicle)
Colour:	Blue RAL 5010

EXPANDAVEYOR

Other colours and various options available on request.

The Expandaveyor is an excellent option where space is limited, designed for 80 kg/m on a skatewheel and 100 kg/m on a roller conveyor.

Flexible Gravity Roller and Skate Wheel Conveyors are fast and easy to set up enabling staff to load or unload vehicles or move goods from one point to another faster and with less physical effort, as well as helping your company to comply with Health & Safety requirements.

Both of these types of conveyor are mounted on castors making them easy to move around and will stack neatly away when not in use.

Skate wheels are ideal for tracking boxes around tight



EXPANDAVEYOR SPECIFICATION



Skate wheel Expandaveyor showing the closed position and the same unit open to four times it's closed length when straight and over three times



Skate wheels are ideal for tracking boxes around tight bends, rollers for general purpose use for handling products, packages or components with runners, rims or other uneven bases.

Standard Features:

- 50mm dia. double ball race, shock resistant wheels or roller.
- All metal parts, bright zinc plated steel.
- 100mm dia. swivel castors with breads.
- All axles 8mm dia. protected by A.B.S. plastic tubing.
- Telescopic leg supports (choice of 3 sizes) with manual contoured locking knob.

Optional Features:

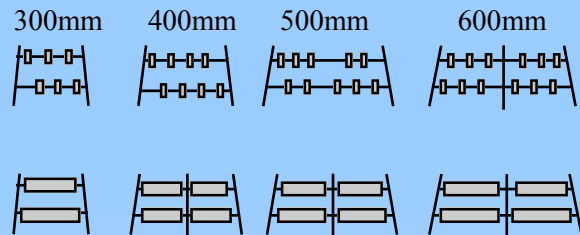
- Stainless steel bearings in PVC skatewheels or rollers.
- All steel skatewheels or rollers.
- End roller package stop.
- Conveyor connecting hooks.
- Heavy duty construction

Available Types:

- PW - plastic wheel SW - steel wheel
 PR - plastic roller SR - steel roller

Track Widths:

Skate Wheel:



Roller:

Overall width = Track width plus 62mm

Lengths:

Expanded	2.5m	4.0m	5.5m	7.0m	8.5m
Closed -wheel	0.65m	1.0m	1.4m	1.8m	2.2m
-roller	1.0m	1.65m	2.3m	3.0m	3.6m

Heights:

- L1 - 450mm to 700mm
- L2 - 650mm to 1100mm
- L3 - 900mm to 1600mm

Gravity Conveyors



Gravity conveyors are the simplest and most cost effective method of moving products that do not require automation and that will move freely over rollers. Different types of conveyor can be used for various applications, from plastic, steel or stainless steel rollers, skatewheels and multi directional ball units, these conveyors are a cost effective way of moving your product from one area to another where power is not necessary.

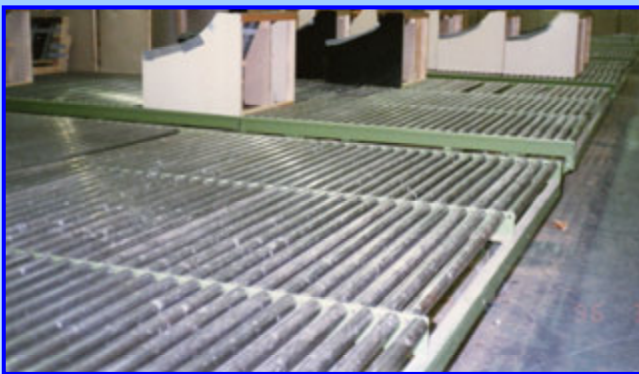
Gravity Conveyors can also used for live storage, pallet handling and incorporated into turnkey systems, i.e. for accumulating boxes, cartons or other flat based products as they move from powered systems. With rollers of various

GRAVITY ROLLER CONVEYOR

Light, medium and heavy duty rollers in mild steel, Bright Zinc Plated (BZP) or stainless steel, can be used to convey your product. Plastic rollers are for light to medium duty.

Ranging from 25 diameter—12kg loading per roller to 76 diameter—650kg loading per roller we can quote you on the most effective solution.

Gravity conveyors can be installed to slope gradually making it easier to convey heavy pallets, the use of braked rollers will stop the pallets from accelerating



too fast.

The conveyors above were manufactured for a warehouse where they make furniture, these gravity lines are used for storage



These are lighter

duty rollers to carry small boxes.

Information Required:

Length of conveyor

Width of conveyor

Height to top of roller

Product dimensions—length, width and height

Weight of product

Are side guides required?

Do you need an end stop?

From the above we can calculate the type of roller needed and the pitch, it is also useful to know how the

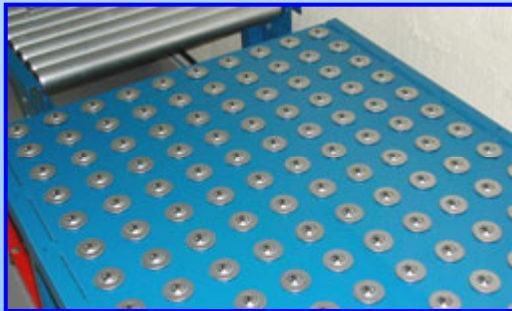


SKATEWHEELS & BALL TABLES

Here are three examples of skatewheel conveyors, they can have either mild steel, bright zinc plated or plastic wheels..

This spiral skatewheel gravity roller conveyor (far right) was manufactured to allow boxes to accumulate all the way down from one floor to another in the despatch area. This was designed to take up as little floor space as possible.

Below right is a 180 degree skatewheel bend using BZP wheels clipped into slots in the conveyor bed, whereas above right shows



skatewheels spaced along a shaft.

Ball tables, as the name states, is a table with multi-directional ball units and can be used incorporated into systems for moving product in all directions. They can be used in place of bends where space will not allow for an actual bend or in lines of conveyor as a junction for picking and packing areas.

PETI-RAIL LIVE STORAGE

The main purpose of the Fix-Wheel Channels is for use in live storage systems and order picking racks. However due to it's characteristics many more capabilities over and above live storage are possible.

- Guide rails for conveyor systems
- Connections between either single channels or a full density carpet of wheels.
- Packing and dispatch tables.
- Process conveyors for instance in the wood and glass industry.

Wheels are running on steel guaranteeing a loading of 6 daN (kg) with a very low co-efficient of friction. Wheels are injection molded from a high quality Thermo Plastic with outstanding impact resistance and are not brittle. The material is chemically resistant against acids and alkalines and does not attract moisture.

Channel profiles are manufactured from bright galvanised sheet with all rounded edges. The loading of channel profiles is illustrated by the resistance factor or 0.5 cm³.

Changing of wheels is easy. Several wheel pitches can be obtained (33mm, 50mm, 66mm, 83mm, 100mm and so on, with either plain or flanged wheels. Guide rails, connectors, end stops, and fixing clamps complete the system.

The Fix-Wheel Channels with steel axles for a smooth and silent running goods flow is:



Turnkey Systems



A turnkey system is a system of different conveyors and materials handling equipment, each with a unique function, to create a partial or totally automated environment. From small systems to simplify specific factory or warehouse areas to large totally integrated systems from one area to another, fully controlled for the most complex of system.

Combining the attributes of different conveyors, elevators, transfers, mergers and other specialised equipment, the turnkey system is capable of handling the varied and often complex jobs in factory production. The system will carry goods effortlessly, lifting and moving heavy, awkward and cumbersome



loads as well as efficiently conveying large quantities of smaller product.

By using the latest in computerised technology, a main artery of conveyors can transfer and merge to and from various assemble or finishing stations ensuring that the optimum level of productivity is achieved.

Benefits of a Conveyor or Turnkey System

1. To comply with Health & Safety for your employees.
2. Free up manpower to work in other areas.
3. Make production more efficient generally.
4. Increase product output and still maintain quality.
5. Increase your revenue.

Above left shows a Conveyor System controlled by a tag method which works by using memory cards in each tote bin. After selecting the program for the destination, the first Belt Conveyor takes the tote bin through a writer, having read the card, the Luffing Conveyor then either takes it to the upper or lower level. The tote bin is then conveyed along Lineshaft conveyors to the selected area of the warehouse by the use of readers and photoelectric

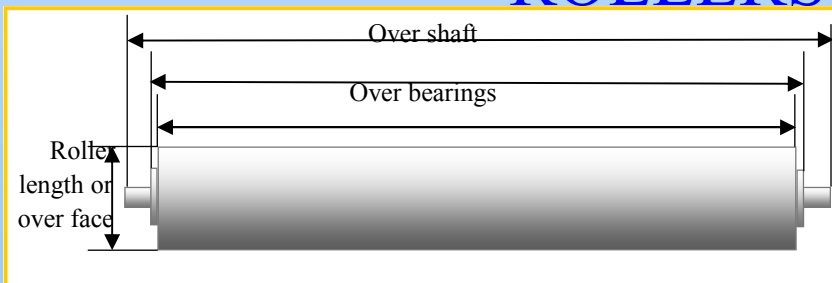
Servicing, Rollers & Spares

SERVICE & REPAIRS

We can offer a mechanical servicing contract for, not only the conveyors we have supplied, but for any conveyors that you have.

Our machines can be run to full capacity, 24 hours a day, 7 days a week, and will last for years with only the natural wear and tear to consider. Providing regular inspections are made on a daily/weekly basis to make sure that the equipment is running efficiently and kept clear from debris, dust and dirt and worn parts are replaced you will have effective production. We keep a full record of parts so that, should you require a replacement in the future, we can provide.

ROLLERS



The usage of the conveyor will determine how frequently a service will be required, please contact our Sales Team for information.

We can make or supply a wide range of rollers and drums, both standard and specific, ranging from light to heavy duty, in plastic, steel and stainless steel.

Simple gravity, driven, rollers for tension, snubbing or belt return, drive and idler drums—we can provide rollers for a multitude of applications.

Gravity Rollers – these come in many sizes with a wide variety of specification to suit the application. The following information is required:

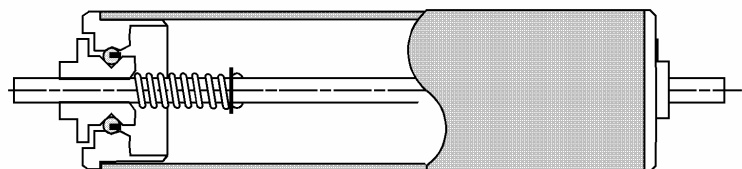
- Quantity
- Diameter of tube
- Roller length—over bearings or face
- Shaft diameter and type—spring loaded, fixed, hex, flatted, slotted, drill & tapped or threaded
- Shaft length—or inside frame measurement
- Loading—light, medium or heavy duty



Grooved Rollers – these are used in lineshaft and other powered roller conveyors, still gravity rollers but have a groove in them for the line bands.

Driven Rollers – these often have a double sprocket on one end to suit various types of chain, these could be to suit $\frac{5}{8}$ " pitch or $\frac{1}{2}$ " pitch chain as standard but there are others.

Drums – used for the ends of conveyors (i.e. belt conveyors), an **idler roller** at one end and a drive roller at the other, the **drive roller** is fitted with a shaft for fixing the



48mm dia
Food quality roller with
stainless shaft. Can be used
as a belt return roller.
Load capacity: 20 kg

Tube: 48 x 3 high impact PVC plastic
Bearing: Caged acetal, stainless balls.
Shaft: 8mm dia mild steel
8mm dia stainless
10 mm dia mild steel
10 mm dia stainless.
11mm A/F hexagon stainless
1/2" dia.



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About us

Riverbank Engineering customer base include many of Britain's leading names in industry—major PLC's and private concerns alike—we have an outstanding high level of repeat business which is evidence of the quality and reliability of our products. Please call our friendly Sales Team who will be happy to answer any questions or queries you may have. As an expanding company we look forward to solving your material handling needs.

Riverbank Engineering Ltd

now incorporating

Conveyors Yorkshire

&

Nuwave Systems

This means that we now supply spares For previous project,

The transition of business has meant continuity for their customers and we are happy to continue to provide a full service, maintaining the quality Conveyors Yorkshire & Nuwave Systems have built-up of the 30 years



Incorporating Nuwave Systems
Conveyor Yorkshire
Company Registration Number 4202310

