

**Belt Driven Conveyors the cost effective solution for transporting unit loads.**

Systems Handling Services range of powered belt conveyors is designed for applications where improved load control and speed of operation are important factors. They are particularly useful when a conveyor is required to carry fragile loads or a wide range of load weights or sizes.

**Level Belt**

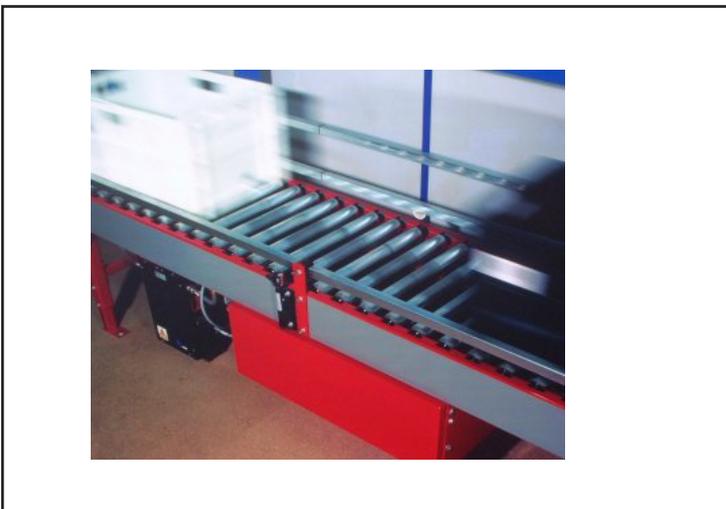
Level belt conveyors are for the horizontal transportation of items and assembly line operations. They are available in lengths from 2m up to 30m in 0.5m increments. They are constructed using cold formed steel and powder coated channels with two bed type options - Monobed and Roller bed.

- Centre Driven belt speeds 9, 14, 18, 24 and 30m per minute.
- End Driven by a motorised drum, belt Speeds - 15.6, 18.6 and 21.6m per minute - up to 10m long.
- Robust and durable 2-ply transmission belt.
- Level belt conveyors can be used with the majority of package conveyor accessories
- Low noise operation

**Inclined Belt**

Inclined belt conveyors are used to deliver packages or boxes from one floor to another and when fitted with a reversing control can operate in either direction. They can be used as stand alone units or as integrated elements of a conveyor system.

- Centre Driven belt speeds 9, 14, 18, 24 and 30m per minute.
- Robust and durable 2-ply feeder transmission belt and gripface incline belt.
- Incline belt conveyors can be used with the majority of package conveyor accessories
- Low noise operation
- Powered feeder for positive transfer from horizontal to incline.
- Top curve for smooth transfer from incline to horizontal.

**Belt Driven Roller**

Belt driven roller conveyors are for the horizontal transportation of items and assembly line operations. They are available in lengths from 2m up to 30m in 0.5m increments. They are constructed using cold formed steel and powder coated channels with two bed type options - Live Roller and Accumaflo.

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- End Driven by a motorised drum, belt Speeds - 15.6, 18.6 and 21.6m per minute
- Robust and durable 2-ply transmission belt.

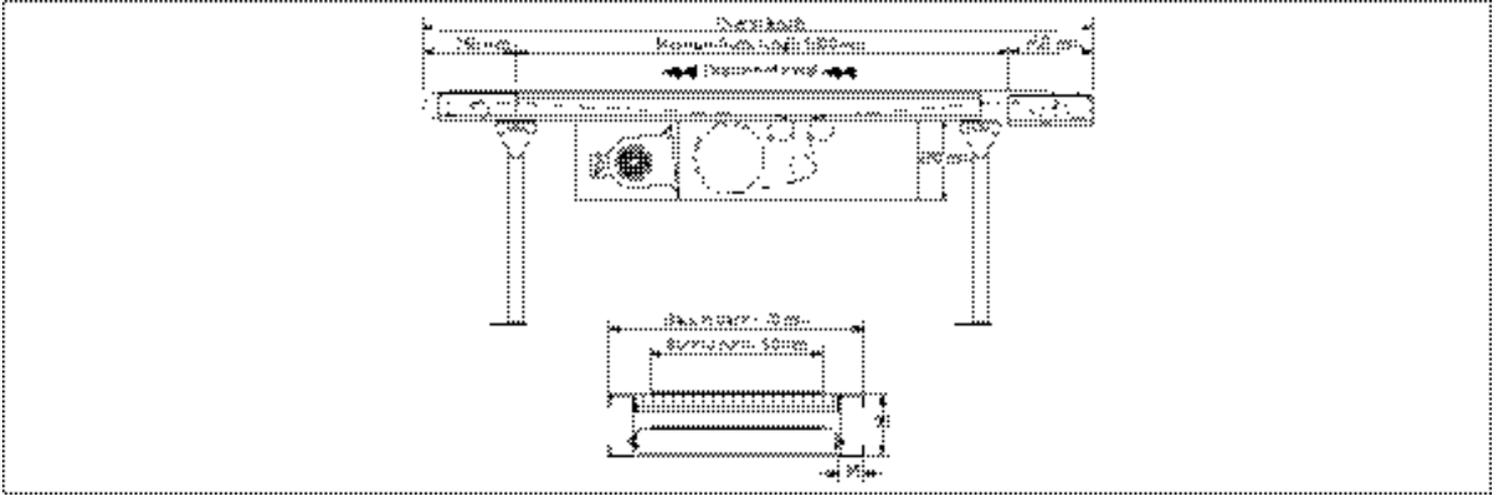


System Handling Services range of powered belt conveyors is designed for applications where improved load control and speed of operation are important factors. They are particularly useful when a conveyor is required to carry fragile loads or a wide range of load weights or sizes.

Level Belt conveyors are for the horizontal transportation of items and assembly line operations. They are available in lengths from 2m up to 30m in 0.5m increments. They are constructed using cold formed steel and powder coated channels with two bed type options - Monobed and Roller bed.

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- **End Driven by a motorised drum, belt Speeds - 15.6, 18.6 and 21.6m per minute - up to 10m long.**
- **Robust and durable 2-ply transmission belt.**
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- **Low noise operation**

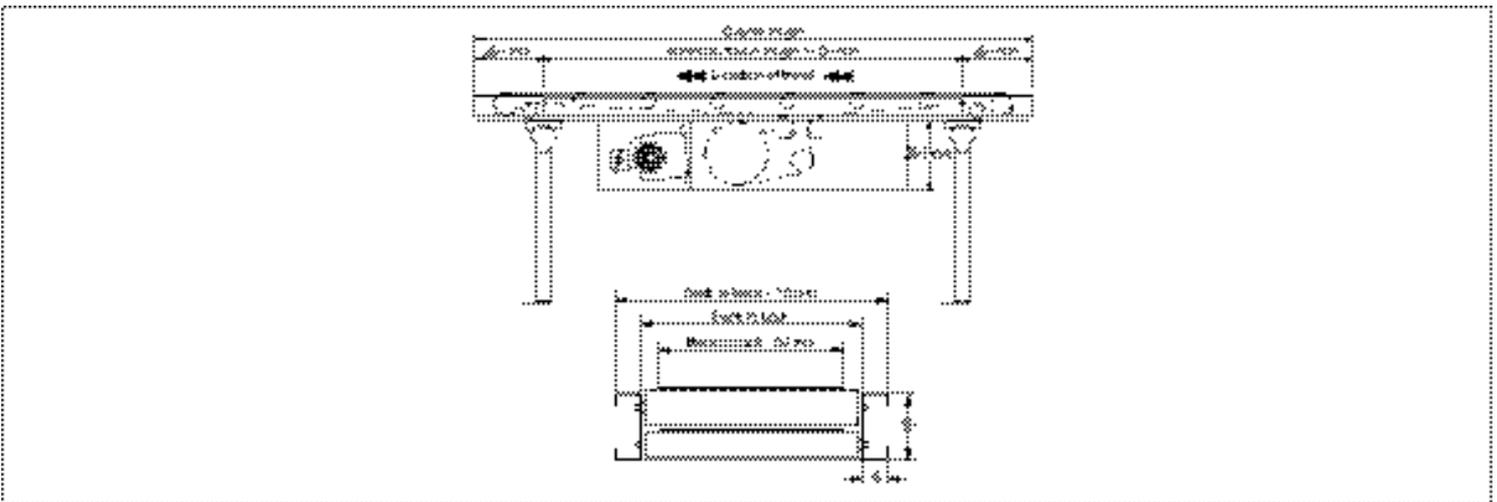
**Monobed**



The conveyor belt is supported on a steel panel bolted between the side channels for smooth snag-free transportation of loads where loads are placed on the conveyor.

- Available widths 300, 400, 450, 500, 600, 800mm
- Lengths 2m up to 30m
- Belt speeds of 9, 14, 18, 24 and 30m/min (centre drive)
- Belt speeds of 15.6, 18.6 and 21.6m/min (end drive)
- Belt width 250, 350, 400, 450, 550, 750mm

**Monobed**



The conveyor belt is supported on 50mm diameter rollers for reduced friction and enables longer conveyor runs.

- Available widths 300, 400, 450, 500, 600, 800mm
- Lengths 2m up to 30m
- Belt speeds of 9, 14, 18, 24 and 30m/min (centre drive)
- Belt speeds of 15.6, 18.6 and 21.6m/min (end drive)
- Belt width 250, 350, 400, 450, 550, 750mm



Inclined belt conveyors are used to deliver packages or boxes from one floor to another and when fitted with a reversing control can operate in either direction. They can be used as stand alone units or as integrated elements of a conveyor system.

- **Centre Driven belt speeds 9, 14, 18, 24 and 30m per minute.**
- **Robust and durable 2-ply feeder transmission belt and gripface incline belt.**
- **Incline belt conveyors can be used with the majority of package conveyor accessories**
- **Low noise operation**
- **Powered feeder for positive transfer from horizontal to incline.**
- **Top curve for smooth transfer from incline to horizontal.**

In order to provide the maximum surface friction, the belt is of special composition to efficiently convey goods on an incline which would normally be 20°, 25° or 30°. The short, horizontal powered feeder at the lower end and the top curve at the upper end, ensure an easy transition of the loads to, or from the incline. Gravity or powered roller conveyor extensions can be added to either top or bottom levels.

### Standard Conveyor Widths

300mm, 400mm, 450mm, 500mm, 600mm and 800mm back to back (BB). (Overall width = BB + 70mm.)

Underguards are fitted as standard to a height of 2500mm above floor level.

The drive pack is underslung and sited near the lower end for ease of installation and accessibility they are available in 3 phase or single phase options. A brake motor is fitted to counter the tendency of a loaded belt to be driven backwards by the weight of loads on the belt when the power is switched off.

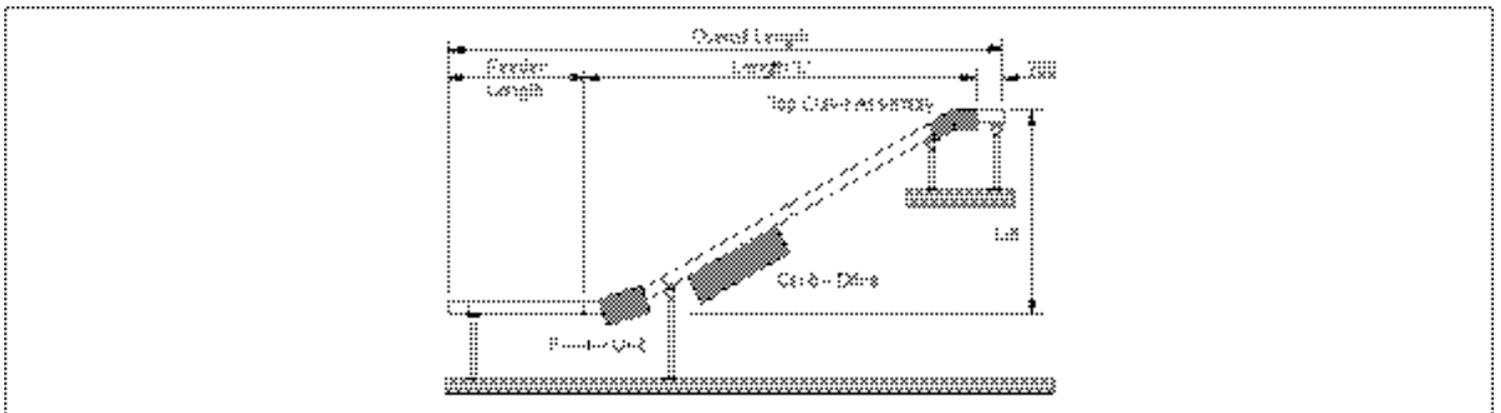
To provide maximum strength with the least possible weight, the conveyor framework is created by bolting two 'C' section channels (90mm x 35mm x 2.5mm) back to back using square hollow section crossies. 50mm diameter rollers or steel panels are fitted between the channels to create a roller or mono bed base beneath the belt.

**Standard Belt Speeds Available** - with 0.75kw and 1.5kw braked drive units 9m, 14m, 18m, 24m and 30m per minute.

### Feeder length

750mm for 300mm to 500mm width.

1250mm for 600mm and 800mm width.



Lift Height	20°		25°		30°	
	Length 'L' (m)	Actual Angle	Length 'L' (m)	Actual Angle	Length 'L' (m)	Actual Angle
1.50	4.90	19° 8'	3.83	24° 46'	3.28	29° 6'
1.75	5.34	20° 10'	4.27	25° 24'	3.71	29° 14'
2.00	6.32	19° 13'	4.70	25° 54'	4.14	29° 19'
2.25	6.76	20° 0'	5.69	23° 37'	4.58	29° 24'
2.50	7.73	19° 16'	6.12	24° 17'	5.01	29° 27'
2.75	8.17	19° 54'	6.56	24° 42'	5.44	29° 30'
3.00	8.61	20° 29'	6.99	25° 4'	5.88	29° 33'
3.25	9.59	19° 50'	7.43	25° 23'	6.31	29° 35'
3.50	10.03	20° 20'	7.86	25° 40'	6.74	29° 37'
3.75	11.00	19° 47'	8.85	24° 24'	7.18	29° 38'
4.00	11.44	20° 13'	9.28	24° 41'	7.61	29° 39'
4.25	12.42	19° 45'	9.72	24° 56'	8.04	29° 41'
4.50	12.86	20° 8'	10.16	25° 10'	8.47	29° 42'

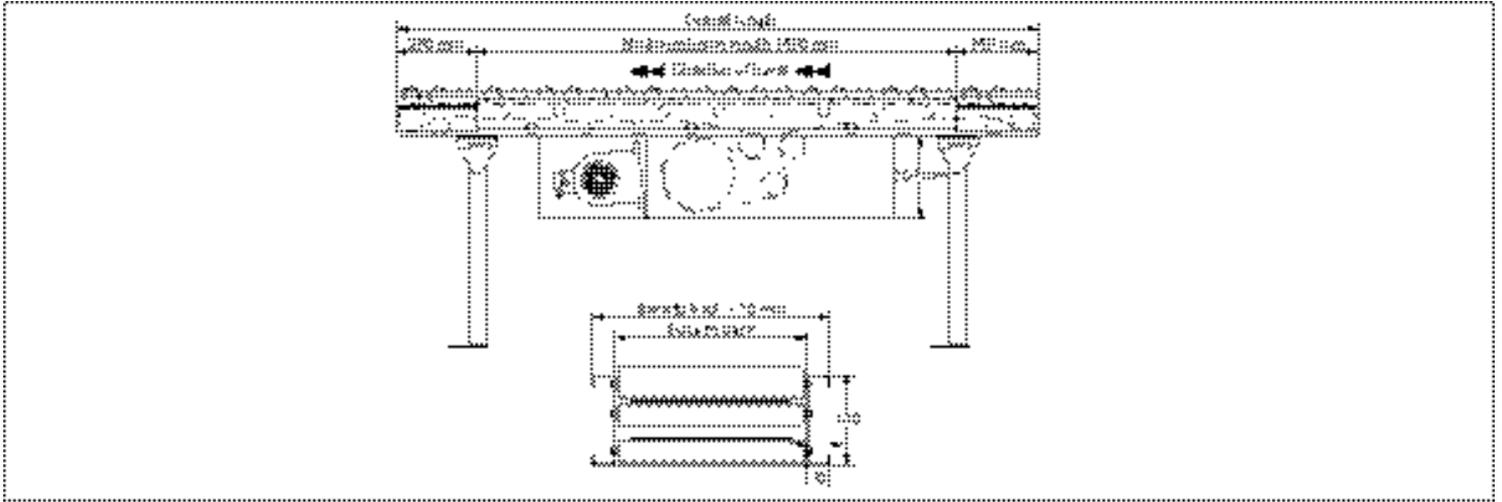


Powered belt driven roller conveyors are designed for applications where a cost effective solution is required with the capability of a single drive unit powering up to 30 metres of conveyor.

Belt driven roller conveyors are for the horizontal transportation of items and assembly line operations. They are available in lengths from 2m up to 30m in 0.5m increments. They are constructed using cold formed steel and powder coated channels with two bed type options - Live Roller and Accumaflo.

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- **End Driven by a motorised drum, belt Speeds - 15.6, 18.6 and 21.6m per minute**
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- **Low noise operation**

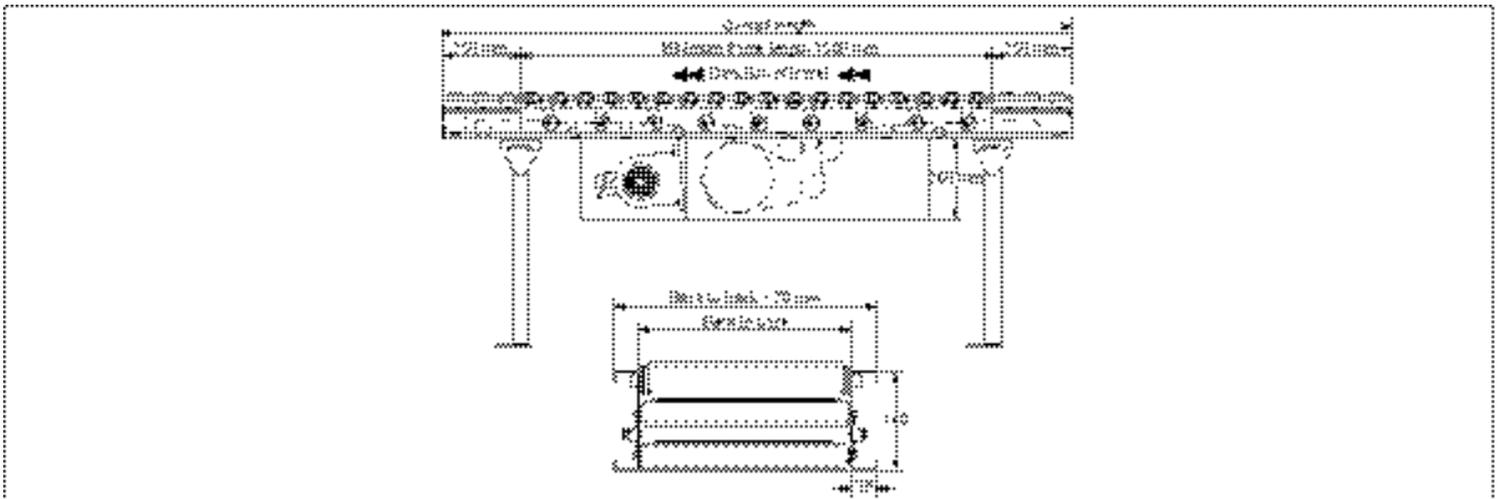
### Live Roller



Live Roller conveyors consist of a roller bed driven by a belt operating on the underside of the rollers. Therefore the belt will always travel in the opposite direction to the required package flow.

- Available widths 300, 400, 450, 500, 600, 800mm
- Lengths 2m up to 30m
- Belt speeds of 9, 14, 18, 24 and 30m/min (centre drive)
- Belt speeds of 15.6, 18.6 and 21.6m/min (end drive)
- Roller Pitch 83, 125mm
- Roller Capacity 70kg

### Accumaflow



In all aspects the Accumaflow conveyor is identical to Live Roller except for the bed section and the type of belt used. Channels have sloped slots so when the forward motion of a package is interrupted, the backward force of the belt causes the rollers to travel up the sloped slots and therefore reduces line pressure.

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- Lengths 2m up to 30m
- Belt speeds of 9, 14, 18, 24 and 30m/min (centre drive)
- Belt speeds of 15.6, 18.6 and 21.6m/min (end drive)
- Belt width 250, 350, 400, 450, 550, 750mm