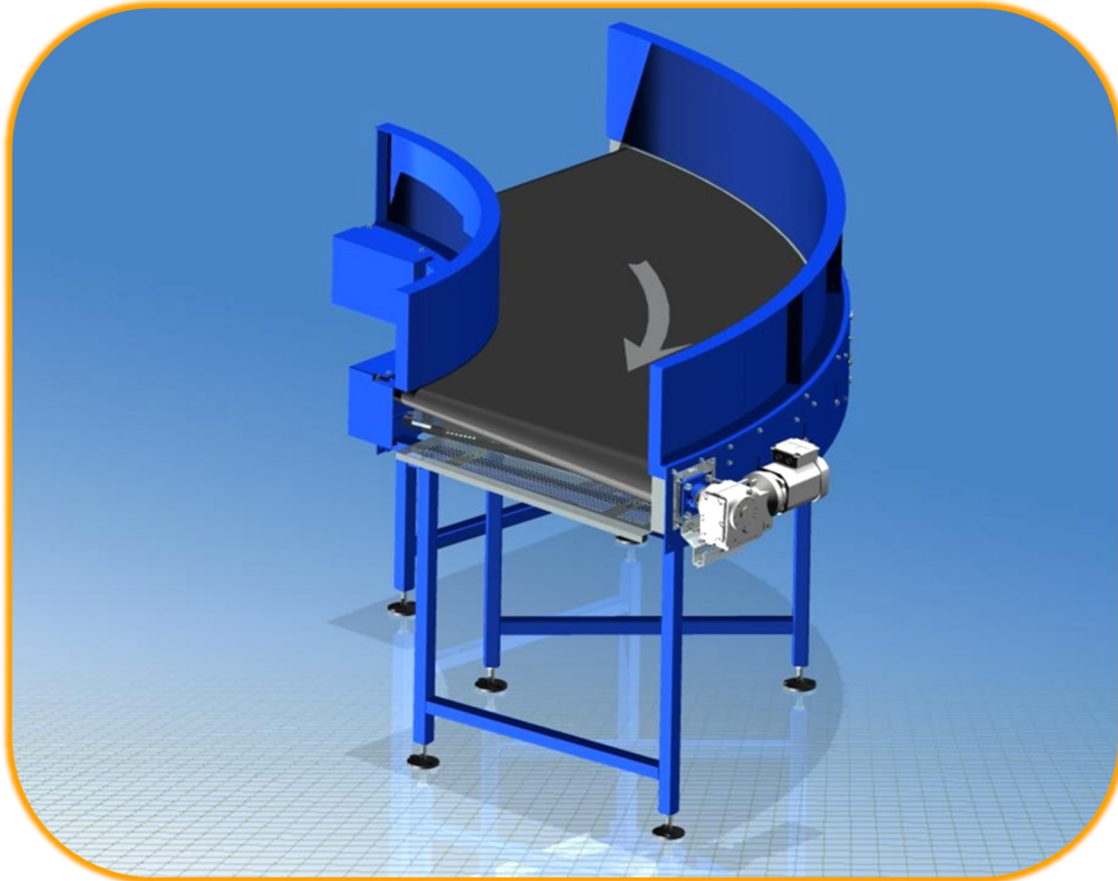




gramac TS-TR150 belt curve

airport baggage handling systems

gramac TS-TR Belt Curves are designed for use where there is a requirement to smoothly change the travel direction of passenger baggage within high speed airport baggage handling systems.



KEY OPERATING DATA:

Conveyor centre line speed	max 2.5 m/s
Load capacity	max 100Kg/m
Conveyor angles subtended	15° to 180°
Inside radius range	885mm to 1185mm
Effective belt widths	1030mm to 1230mm
Operating temperature range	-15°C to +55°C
Pulley max diameter	150mm
Min top of belt height	270mm
Running noise	<65 dba @ 1m
Belt change time	<20 mins
Pulley bearing L10 life	50,000

DESIGN ADVANTAGES:

- Friction driven on conical pulleys lagged with non-slip, wear & heat resistant material for max belt & pulley life.
- Pulley bearings greased for life for min maintenance.
- Easy to use belt tensioning and release mechanism.
- +ve belt tracking by polyurethane tyred rollers fixed on outer edge of belt running on rails in the outer frame.
- Incorporation of maintenance viewing window.
- Strong frame and slider bed fabricated in mild steel to ensure rigidity and durability, even in harsh conditions.
- Accepts most makes of geared motor units including latest high efficiency types.
- Powder coat or galvanized finish.
- Reliability and low operating costs / total costs of ownership proven at many installations worldwide.



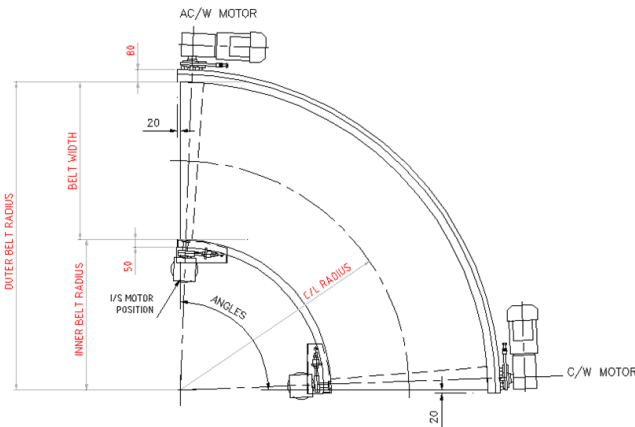
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CONFIGURATION

Drive	Shaft mounted motor unit usually at discharge end. Horizontally oriented on outer radius & vertically oriented on inner radius.
Side-walls	Fabricated sheet steel side-walls to a max height of 450mm above top of belt. Mounting brackets and holes for PECs can be incorporated.
Belts	Endless belts with min no. vulcanized spliced joints. Various belt materials and surface textures can be supplied.

Underguard	Removeable galvanized sheet steel panels provide underside guarding.
Finish	Powder coated in any standard RAL colour or galvanised for humid and exposed environments
Supports	'H' type legs, outriggers for low levels or side brackets for suspending from above. Floor supports fitted with anti-vibration footpads with +/- 50mm adjustment or locking castors.



TS-TR150 STANDARD DIMENSIONS

Inner Radius (mm)	Belt Widths (mm)	Standard Angles (°)
885	1030 (1400 c/l rad)	30°, 45°, 60°*, 90°*, 180°*
955	1030 (1470 c/l rad)	30°, 45°*, 60°*, 90°*, 180°*
955	1230 (1570 c/l rad)	30°, 45°, 60°, 90°*, 180°
1035	1030 (1550 c/l rad)	30°, 45°*, 60°*, 90°*, 180°*
1035	1230 (1650 c/l rad)	30°, 45°, 60°, 90°*, 180°
1185	1030 (1700 c/l rad)	45°

N.B. Any angle between 15 and 180 can be manufactured.

SAFE & EASY MAINTENANCE

gramac TS-TR150 Belt Curves are safe and easy to maintain without excessive manual handling or the need for any special tools. The moving part guards are lightweight for easy removal and the heaviest part is normally the GMU at up to 35Kg. Every curve has an O&M manual with detailed explanations of the recommended periodic maintenance inspections.

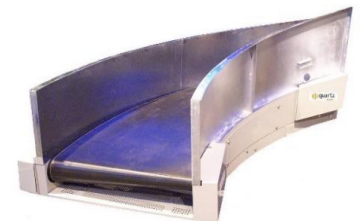
APPLICABLE STANDARDS

BS EN619 : 2002,
ISO 340 (2013)
Machinery Directive 2009/127/EC

SPECIALS & SPIRALS

In addition to the standard sizes in the table opposite. gramac TS-TR150 Curves can be manufactured to special order with bespoke footprints to a max outside radius of 3500mm and a max belt width of 1500mm.

Those curve sizes marked * in the opposite table can be manufactured as spiral belt curves with a change of elevation in 90° from 200mm to a max of 500mm (pro rata for different angles).



N.B. Spiral belt curves are normally fitted with a high grip faced belt.