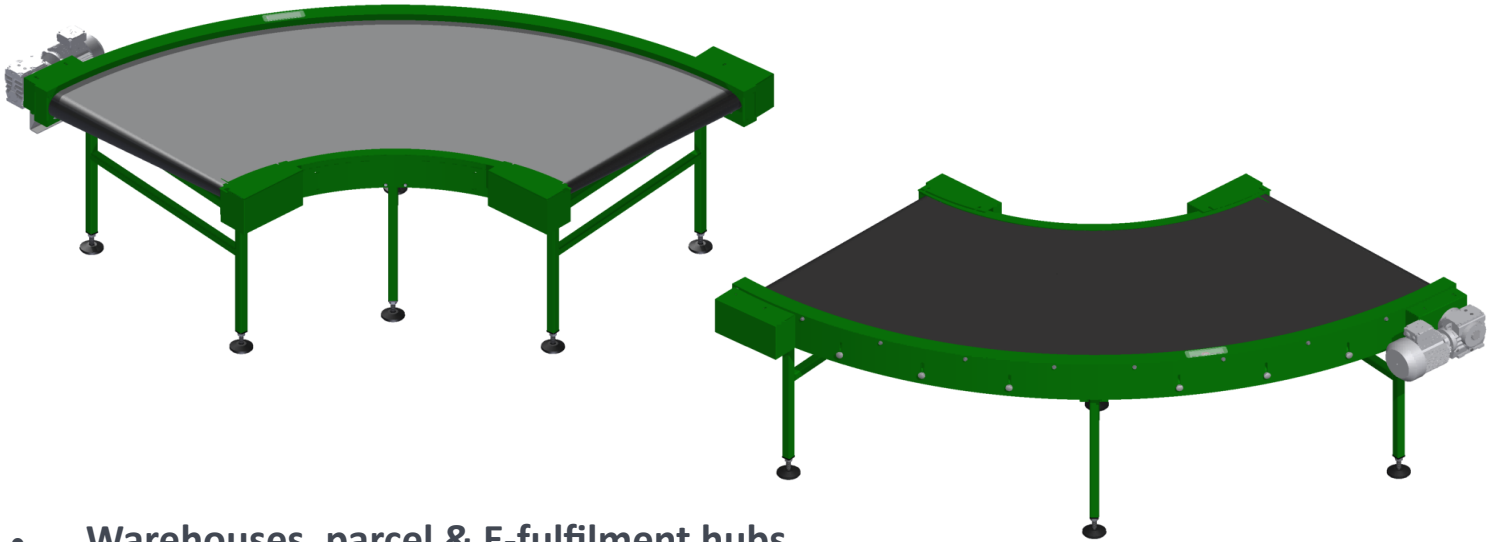




gramac TS-TR100 belt curve intralogistics & industrial

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



- Warehouses, parcel & E-fulfilment hubs
- Industrial & OEM machinery manufacturers



KEY OPERATING DATA:

Conveyor centre line speed	max 2.0 m/s
Load capacity	max 50Kg/m
Conveyor angles subtended	15° to 180°
Inside radius range	300mm to 2400mm
Effective belt widths	300mm to 1500mm
Operating temperature range	-15°C to +55°C
Pulley max diameter	100mm
Min top of belt height	215mm
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 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-TR100 STANDARD DIMENSIONS

Inner Radius (mm)	Belt Widths (mm)	Standard Angles (°)
300	300, 400	90°, 180°
400	300, 400, 500	90°, 180°
500	400, 500, 600	90°, 180°
600	400, 500, 600, 700	45°, 90°, 180°
700	500, 600, 700, 800	45°, 90°, 180°
800	600, 700, 800, 900	45°, 60°, 90°, 180°
900	700, 800, 900, 1000	30° - 180°
1000	800, 900, 1000, 1100	30° - 180°

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

SAFE & EASY MAINTENANCE

gramac TS-TR100 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

