



**ANSIR  
SYSTEMS**

# Inclined Carousel Tech Specs



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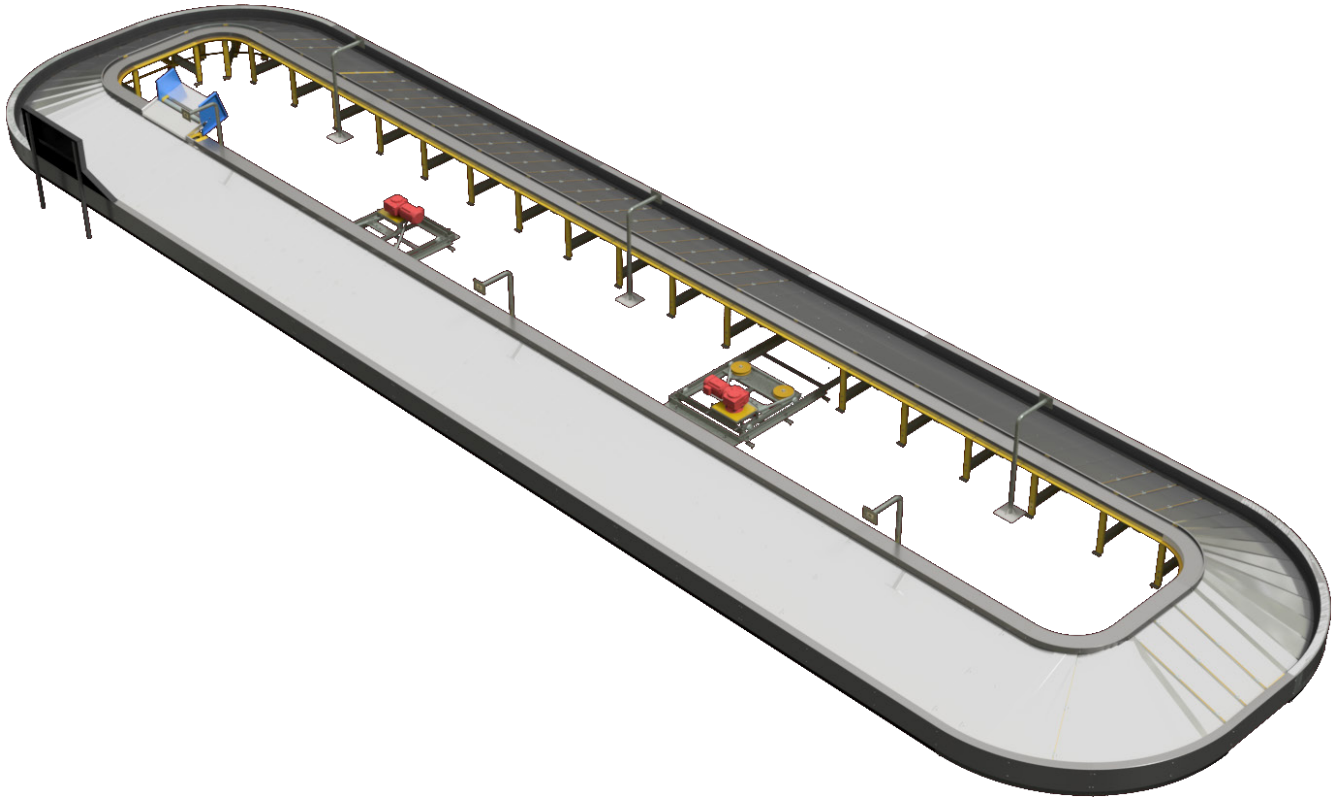
+61 (03) 9768 3303



[sales@ansir.com.au](mailto:sales@ansir.com.au)



6 Latchford Rd  
Cranbourne West VIC 3977  
Australia



## Function

The carousel is designed to recirculate baggage on a continuous basis until it is removed from the conveyor. The Incline claim carousel can be used as an arrivals carousel or make-up loop. Whilst the design of the conveyor modules has been standardised, it allows for different configurations in length and height to suit different applications. A minimum conveyor height of 450mm can be achieved (measured to the top of the front trim). Inclined carousels are used to maximise the number of bags which can be stored on a unit.

## Features

- Friction drive.
- Direct shaft mounted gearmotor provides drive.
- Sealed for life bearings used throughout in order to minimise maintenance.
- Modular components provide flexibility in design.
- Urethane coated load and guide wheels for quiet operation.

### Arrivals Reclaim Carousel

- Typically, 450mm in height to allow for easy removal of baggage. Stainless steel clad in passenger area.

### Departures Make-up Carousel

- Located airside. Typically 450 mm to 650 mm in height to allow for easy unloading of baggage into / onto a container / trailer. Galvabond or powder coated finish.

# Technical Specifications

## General | Product

### Live Load (Peak)

150 kg/m

### Static Load (Max)

270 kg/m

### Noise Level

59dB(A)

### Standard Speed

0.3 m/s to 0.5 m/s (30 m/minute)

### Slats

Flame retardant

### Slat Width/Angle

1200mm with angle of 23 degrees

## CLADDING

### Front Trim

- 2.5mm 304 grade Stainless steel #4 satin finish in passenger areas.
- 3.0mm Galvabond or Powder coated mild steel Airside. C shaped profile 347mm H with 115mm top flange.

### Infill Trim

- 2.5mm 304 grade Stainless steel #4 satin finish in passenger areas.
- 3.0mm Galvabond or Powder coated mild steel Airside.
- C shaped profile 90mm H with 20mm top and bottom flange.

## Technical | Mechanical and Electrical

### Support Wheel

98mm

### Centre Wheel

98mm

### Drive

Friction Drive

### Motor Gearbox

Nord / SEW

### Number of Drives

Based on carousel length—additional redundant motor and drive optional

### Safety System

Emergency stop buttons and housings (included as part of SS trim)

### Power Requirements

3-phase voltage to suit site requirements

### Trim

Stainless steel (public area). Galvanised or powder coated mild steel (air side)

### Frame

- Cross members 5mm mild steel
- Side channels 3mm mild steel

### Carriage

Mild steel powder coated

### Chain Link

Made from glass reinforced composite. Each individual link has a cam adjustment take up of 5mm negating the need for site cut frame sections at installation.

### Top Cover / Infill

Optional—To suit airport specifications

# General Dimensions

## Drive Unit / Straight Module

