

Powered Roller Conveyors for Surfactant Drum Filling



Client:
Huntsman

Location:
Matraville, NSW
Australia

Heavy duty roller conveyors

Drum handling

Easy operator access

Wash-down

Stainless Steel & Galvanized



The Project

Previously Huntsman had deployed conveyors that were extremely light in construction and over time, and with the harsh environment the side frame had rusted and the rollers had collapsed under the heavy loads being used at the manufacturing facility.

A key concern was that only one drive was used with clutches breaking the drive into pallet length sections along the conveyor. With the rollers collapsing, the clutch system no longer worked. In addition, the drive was tucked under the conveyor which was not readily accessible for maintenance.

Unfortunately the existing conveyor design was not suitable for the heavy duty application being used in a wash down area.

To assist Huntsman to overcome these issues, Australis provided the following outcomes:

- Designed and manufactured a heavy duty roller conveyor with stainless steel shafts and bearings and double seals;
- Each conveyor section had its own drive unit external to the conveyor to provide better maintenance access;
- Provision was made for sensor brackets and cable tray runs;
- The conveyor directly after the filling area was made from stainless steel with lift out floor-plate infill panels between the rollers. This allowed safe operator access around the pallet for lid placement and cap sealing.

Heavy Duty Rollers

Stainless Steel Roller Shafts

Wash down friendly



The Result

Australis provided a robust conveyor system that minimises OHS concerns, improved access for maintenance and provides a safe solution for the filling of drums and IBC's.

The features requested by Huntsman and supplied by Australis Engineering include:

- Heavy duty galvanised support frame;
- Heavy duty galvanised rollers with stainless steel shaft and precision stainless steel bearings with double seals;
- Stainless steel frame after filling area with lift out floor plate between rollers;
- Conveyor drives and cable runs now accessible for maintenance;
- Conveyors suitable for wash down and all fitted with stainless steel type 316 levelling feet.

Contact Australis Engineering at:

25 Harley Crescent
Condell Park, NSW 2200
AUSTRALIA

Phone: +61 2 9707 5888
Fax: +61 2 9708 3564

E-mail:
sales@australiseng.com.au
www.australiseng.com.au

