

# Power and free conveyor

▶ Painting



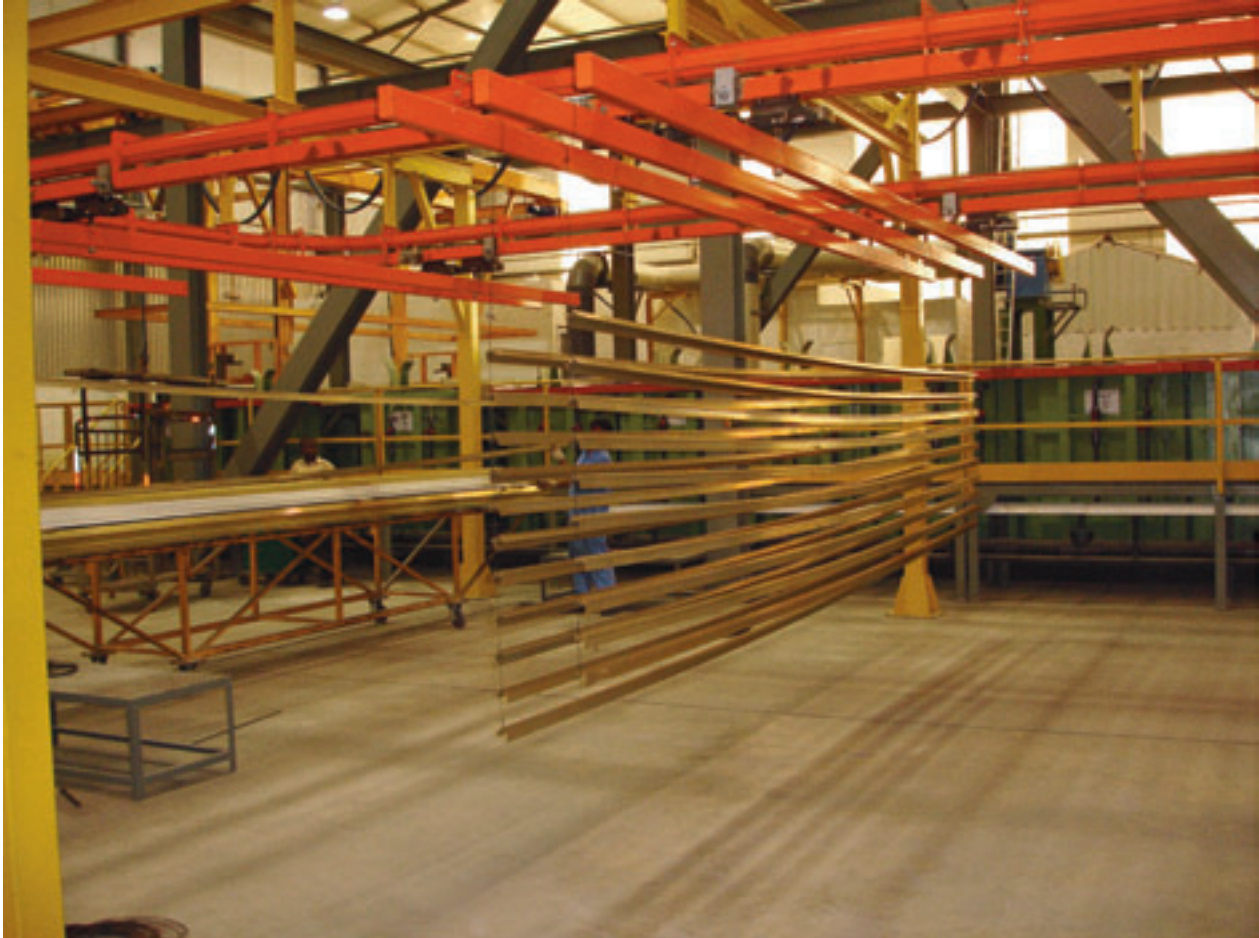
To move the profiles through the different stages of a painting plant a power and free conveyor is needed. Aluengineering designs its plants finding the best solution in relation to the available spaces and the characteristics of our power and free conveyor allows to do this in respect of production requirements.

Painting

Horizontal painting

**Main features:**

- ▢ High speed biplanar chain
- ▢ Track to guide the trolleys
- ▢ Caterpillar group for traction



The system is designed to curve both horizontally and vertically. This gives a big advantage in the positioning of the plant and allows to ensure comfort during operating: the loading and unloading area is at a lower level of the rest of the conveyor to facilitate the operator's work.

# Power and free conveyor

## ► Painting

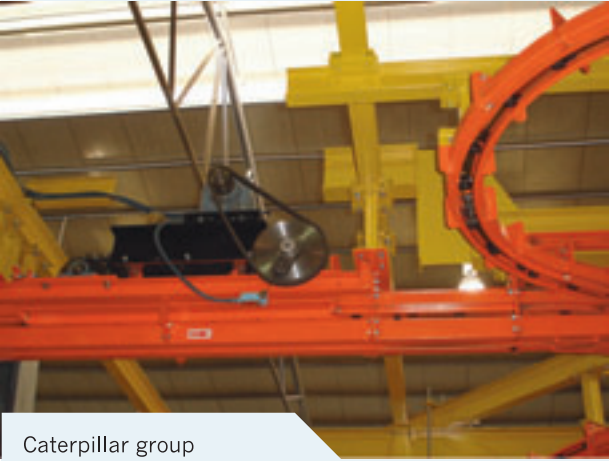
### Typical construction

- Track in pressed sheet
- Steel chain with ball bearings pitch 200 mm
- Trolleys carrying supports (steel)
- Maximum dimension of the batch : 7.000 x 150 x h 1800 mm
- Max. weight (including supports) : 200 Kg.
- Batch pitch (longitudinal) : 7600 mm
- Batch pitch (transversal in the oven) : 350 mm



Above view of the structure

Painting



Caterpillar group



Detail of the conveyor

Horizontal painting