

# Overhead Power & Free Conveyor

## TYPE - 333

- A versatile, flexible system with enclosed track design
- Can handle component weight up to 500 Kgs and up to 250°C
- Suitable for Storage Lines, Sub Assembly Lines, Transfer Lines
- Can interface with any type of automation and process equipment



A medium duty conveyor system most ideal and reliable for industries with continuous type of manufacturing processes.

Designed to handle weights up to 500 Kgs, using two and three trolley combinations, this power and free system is suitable for most simple to complex operations in the production, assembly, finishing and storage lines.

Specially designed enclosed tracks keeps the product clean from dirt and grease while the high chain speed provide for continuous fast movement of material between operations. Result is an efficient, cost effective and maintenance free system.

The flexibility of this system allows it to negotiate inclines, declines, turns, and to interface with any type of automation or process equipments. Since the product movement takes place overhead, floor space can be utilized to its best possible advantage.

The system enables smooth trolley transfer from one chain loop to another one and switching from one conveyor speed to another high or slow speed conveyor.

Every component like switches, stoppers, vertical and horizontal bends etc. have been specially designed, engineered and standardized to readily suit customer's specific requirements and space availability.

**Features:**

- Suitable for handling variety of loads.
- Customized conveyor elevations to suit the process and site condition.
- Storage of carriers in the lines without stopping the conveyor.
- Carrier pitch designed as per customer's requirement.
- Same carriers for storage and process lines.
- System allows different speed at individual locations, like fast for delivery and variable speed for process lines.
- Accumulation of carriers in line.

**Applications:**

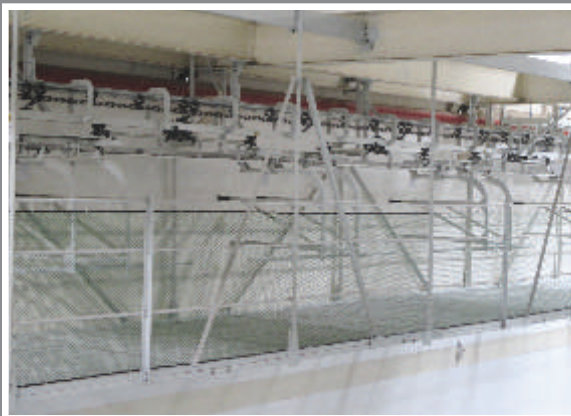
- Plastic parts for Assembly lines.
- Steel Parts for Transfer Line
- Steel Parts for Storage Line.
- Continuously moving sub assembly lines.
- Storage lines with assorted models.
- Weld & Paint body storage lines.
- Powder coating lines.

**Benefits:**

- Modular design.
- Easy to install and modify / extend in future.
- Easy to expand when production process changes / increases.
- Best use of floor and overhead space.
- Minimum maintenance.
- Facilitates computer interface / SCADA
- Integration possible with the production control system.

**Technical Data:**

|                           |   |
|---------------------------|---|
| TYPE                      | 333   |
| Chain Type                | X348  |
| Min chain dog pitch       | 458 mm  |
| Max. temperature          | 250° C  |
| Max. load per trolley     | 350 Kg.   |
| Max. load per hanger      | 500 Kg.   |
| Standard Rail Length      | 5000 mm   |
| Trolley                   | Grease sealed & possible to re-grease.  |
| Horizontal Bend :         |   |
| Degree                    | 90°, 45°, 30°, 15°  |
| Radius                    | 1000, 1200, 1500mm  |
| Vertical Curve :          |   |
| Degree                    | 20°, 25°, 30°   |
| Radius                    | 3000 R, 4000 R  |
| Drive Unit :              |   |
| Standard                  | Sprocket type.  |
| On demand                 | Caterpillar type.   |
| Take-Up Unit :            |   |
| Standard                  | Weight type   |
| On demand                 | Pneumatic type.   |
| Switching                 | Pneumatic type.   |
| Min. Storage pitch        | 450mm.  |
| Lift section              | Motorised floor mounted   |
| Accumulation stopper      | Pneumatic type.   |
| Lubricator                | Semi automatic or Fully automatic version.  |
| Conveyor support design   | On request.   |
| Support pitch recommended | 2500mm  |
| Control Units :           |   |
|                           | Our computerized controls increase efficiency and productivity. Wide variety of operations can be integrated using single control unit. |



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