

Overhead Power & Free Conveyor

TYPE – BPOH150

- A conveyor system designed using a bi-planar chain
- Can handle component weight up to 250 kgs and up to 150°C maximum
- Suitable for Storage, Process & Painting or Coating Lines
- Can interface with any type of automation and process equipment



A specially designed; modular and flexible power and free conveyor system which uses the bi-planar chain to offer versatility and suitability for use in steel and plastic parts painting lines apart from the general applications.

It can handle weight up to 250 kilograms using a two or four trolley load bar combination. The weight handling capacity can be increased for lower speeds with an operating temperature of up to 150°C.

Power & Free conveyors provide direct, positive control of each load in the system making it ideally suitable for industrial applications that demands maximum versatility, productivity and efficiency.

The flexibility of this system enables 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 and switching from one conveyor speed to another high or slow speed conveyor. Longer conveyor lengths are possible with multiple drives and take-up units.

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 or transportation requirement.
- 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.

Applications:

- Plastic parts painting, process & storage lines.
- Steel parts painting, process & storage lines.
- Steel parts ED coating & storage lines.
- Oven area conveyor (temp up to 150° C.)
- Storage & Delivery lines.
- Continuously moving sub assembly lines.
- Storage lines with assorted models.

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
- Easy to link with production control systems.



Technical Data:

TYPE

Chain Type
Chain Pitch
Min. dog pitch
Max. temperature
Max. load per trolley
Max. load per hanger

BPOH150

Biplaner Chain
150, 200 mm
300, 400 mm
150°C
125 Kg.
250 Kg.

Standard Rail Length
Trolley

4500 mm
Grease sealed.

Horizontal Bend :
Degree
Radius

90°, 45°, 30°, 15°
1000, 1200, 1500 mm

Vertical Curve :
Degree
Radius

20°, 25°, 30°, 45°
2400, 3600 R

Drive Unit :
Standard
on demand

Sprocket type.
Caterpillar type.

Take-Up Unit :
Standard
On demand

Weight type
Pneumatic type.

Switching
Min. storage pitch
Lift section
Accumulation stopper
Lubricator

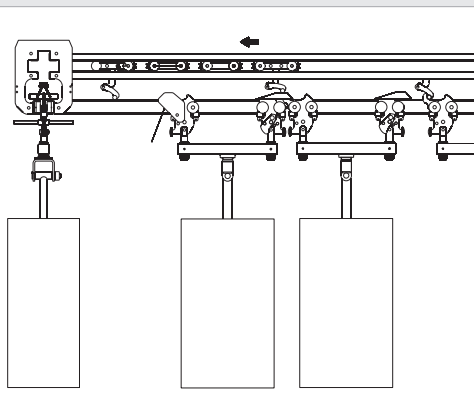
Pneumatic type.
350 mm
Motorised floor mounted
Pneumatic type.
Semi automatic
or fully automatic version.

Conveyor support design
Support pitch recommended

On request.
2500 mm

Control Units :

The computerized controls provided increases efficiency & productivity. Various operations can be integrated using a single control unit.



We Move Manufacturing...

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