

# 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.

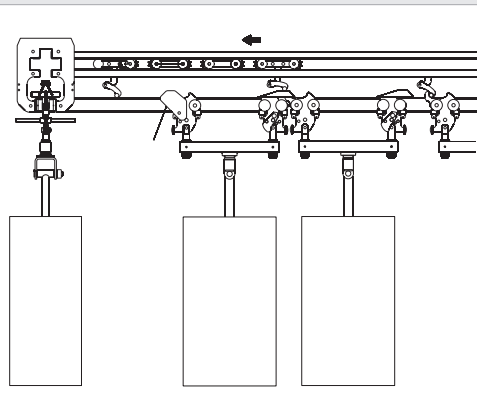
**Benefits:**

- 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:**

<b>TYPE</b>	<b>BPOH150</b>
Chain Type	Biplaner Chain
Chain Pitch	150, 200 mm
Min. dog pitch	300, 400 mm
Max. temperature	150°C
Max. load per trolley	125 Kg.
Max. load per hanger	250 Kg.
Standard Rail Length	4500 mm
Trolley	Grease sealed.
Horizontal Bend :	
Degree	90°, 45°, 30°, 15°
Radius	1000, 1200, 1500 mm
Vertical Curve :	
Degree	20°, 25°, 30°, 45°
Radius	2400, 3600 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	350 mm
Lift section	Motorised floor mounted
Accumulation stopper	Pneumatic type.
Lubricator	Semi automatic or fully automatic version.
Conveyor support design	On request.
Support pitch recommended	2500 mm
Control Units :	The computerized controls provided increases efficiency & productivity. Various operations can be integrated using a single control unit.



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**AUTOMAG INDIA PRIVATE LIMITED**

Regd. Office: Plot No 25, Survey No. 1,  
Aamchi Colony, Bavdhan, Pune 411 021, India.  
Tel.: +91 20 2295 1182 / 83 / 84 / 85 Fax: +91 20 2295 1187  
sales@automagindia.in | www.automagindia.com



Pune | New Delhi | Bangalore