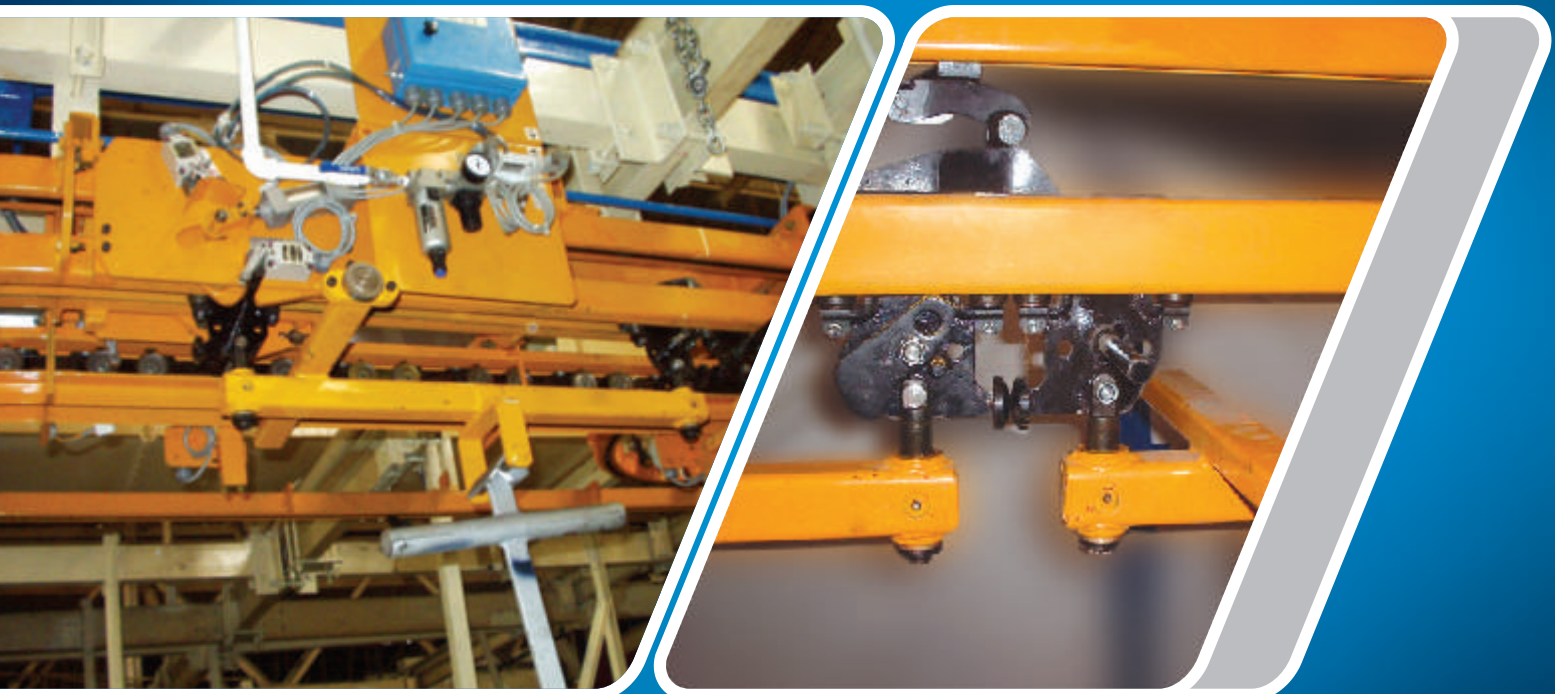


# Overhead Power & Free Conveyor

## TYPE – AM2i

- A versatile, flexible system with enclosed track design
- Can handle unit weight up to 120 kgs and temp up to 90° C maximum
- Suitable for Storage Lines, Sub Assembly Lines, WBS, PBS
- Can interface with any type of automation and process equipment



A light duty conveyor system most ideal and reliable for industries with continuous type of manufacturing processes. The system is engineered to easily integrate with its successor, the AM3i type of conveyor line.

Designed to handle weights up to 120 kilograms, 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 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.
- Accumulation of carriers in line.
- Compatible with the AM3i System.

### Applications:

- Plastic parts storage lines.
- Steel parts storage lines.
- 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.
- Integration with AM3i system possible.



### Technical Data:

#### TYPE

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

#### AM2i

177.8 mm  
533.4 mm  
90° C  
60 Kg.  
120 Kg.

Standard Rail Length  
Trolley

5000 mm  
Grease sealed.

Horizontal Bend :  
Degree  
Radius

90°, 45°, 30°, 15°  
800, 1000, 1200, 1500mm

Vertical Curve :  
Degree  
Radius

20°, 25°, 30°, 45°  
1000, 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

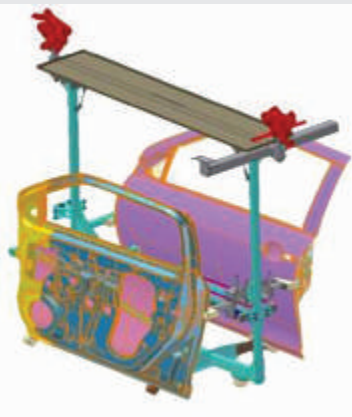
Pneumatic type.  
350mm.  
Motorised floor mounted  
Pneumatic type.  
Semi automatic or  
Fully automatic version.

Conveyor support design  
Support pitch recommended

On request.  
2500mm

Control Units :

The computerized controls provided increases efficiency & productivity. Various operations can be integrated using a single control unit. System has the intelligence to identify the carriers for storage in different lanes in a multi product line.



We Move Manufacturing...

#### 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