

Electrified Monorail System (EMS)

TYPE - H250

- **An Intelligent, quiet & clean system for automated processes**
- **Can handle unit load of 1500 Kgs**
- **Suitable for automotive body and paint shops and final assembly**
- **Carriers can move at various speeds over different segments**



An intelligent conveyor system, a solution to all complex requirements of material handling which includes transfer of components at variable speeds on the same line, integration with other transfer system and devices with utmost accuracy and precision and controlled vertical movements of carriers.

A versatile, cost effective, clean and noiseless system designed and manufactured with state-of-art technology, widely being used in the automotive and engineering industry in precision and automated process application.

The system is designed to handle weights up to 1500 Kgs where every carrier is an independent intelligent unit which can be lowered and elevated and controlled independently through its own control unit.

The EMS is offered to customers in pre-assembled and pre-tested condition to enable immediate system start-up and thus save precious time and money for the customers.

Features:

- Suitable to handle medium and large loads.
- Carriers with vertical movement facility.
- Fast running carriers minimises the number of carriers in the system.
- Slow and fast speed is possible in one system.
- Each carrier can be controlled independently.

Applications:

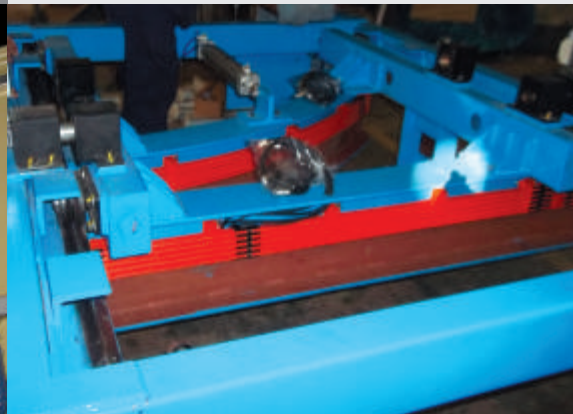
- Automotive body shop.
- Paint lines.
- Final assembly lines.
- Fast and short delivery lines.

Benefits:

- Modular track assembly, pre-assembled and tested before dispatch from factory.
- Quiet operation.
- Clean working system.
- On-board intelligent processor.
- Speed control, different speeds and spacing possible.
- Capable of accumulating around corners.
- Reduced floor requirement.
- Simple installation and fast commissioning.

Technical Data :

TYPE	H 250
Rail size	250 x 125.
Capacity	1500 Kg
Standard Rail Length	5000 mm
Power supply & controls	By bus bar
Switch for diverting	45°, Pneumatic type.
Horizontal Bend : Degree Radius	90°, 45°, 30°, 15° 600, 1500, 2000, 2500 mm
Drive Unit :	Friction type - non metallic roller.
Conveying Speed :	Max 32 m/min.
Up & Down Speed :	Customised
Conveyor support design	On request.
Support pitch recommended	1500 mm
Control units :	Every carrier has its own control unit. All these control units are further linked and integrated with the main control unit.



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