

ROBOT SYSTEMS

MS-7 Conveyor

Transport solutions



The ABB MS-7 Conveyor system exhibits quality durability and versatility. The product offers a full line of conveyor modules necessary for any major assembly system with a proven track record of durability to provide years of dependable service.

Description

The ABB MS-7 conveyor solution is a friction power roller conveyance capable of transporting palletized assemblies. This product offers a full line of conveyor modules necessary for any major assembly system with a proven track record of durability to provide years of dependable service. Primary applications include engine assembly, transmission assembly, and larger axle assembly.

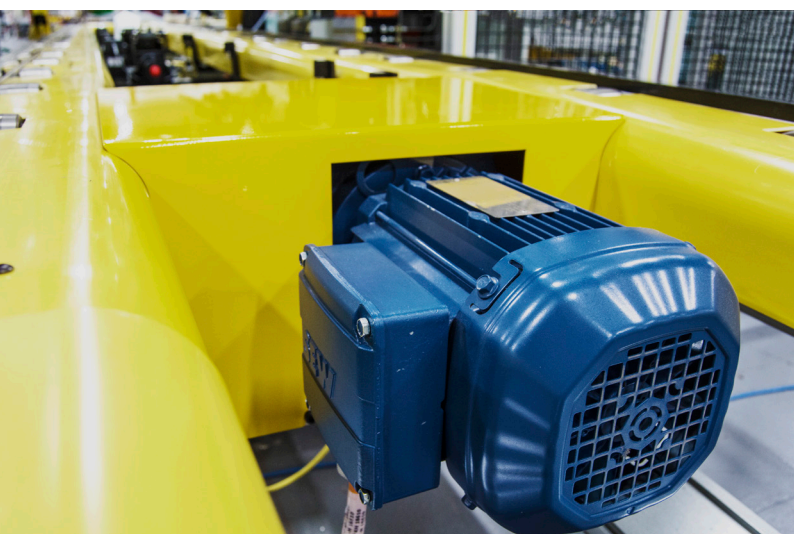
The conveyor system can be used in synchronous and non-synchronous modes at speeds ranging from 2 meter/minute up to 18 meters/minute. Versions are available with a 350 mm height—from top of roller to floor—and can be raised to any practical height.

Customer Benefits

MS-7 conveyor is a highly durable solution that has been in production for over 20 years. Our conveyor offers novel solutions such as: internal drive packages, bevel gear driven driveshafts, and a fully open-center design that allows for a greater level of flexibility in placement of operations.

Available Modules

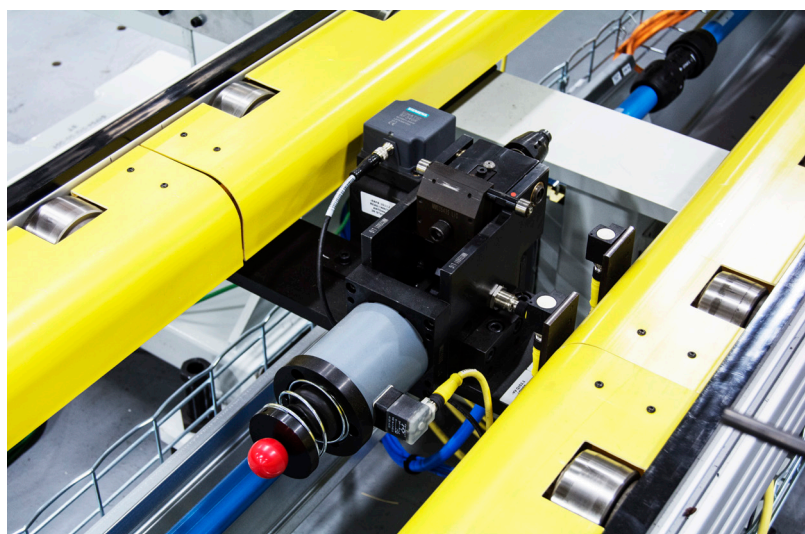
- Transport modules (1, 2 and 3 meters)
- Integral 1HP drive motor package capable of driving 9 m of conveyor for either non-sync or synchronous operation.
- Available ¾ HP motor, capable of driving 6 m of conveyor at speeds up to 18 m/minute
- Integral electric pallet stop units capable of staging up to 3 pallets with a max load of 2,100 Kg.
- Integral powered curve units with slaved drives to simplify controls expense.
- Rotate units capable of rotation from 0°-180°



01

01 conveyor drive motor

02 Pallet stop units



02

Conveyor Design Parameters

Description	Values	Units
Load-transport load capacity of this conveyor per meter	100 Kg minimum-1000 Kg Max	Kg
Roller Pitch	200 mm minimum; 250 mm Max/standard	mm
Height of conveyor from machine floor	350 mm minimum; 550 mm-800 mm standard; no max height. Custom available	mm
Modular lengths	1 m, 2 m, 3 m, standard; custom lengths available; 3 m max	meters
Speed-operating speed limits of this conveyor	15 m/min. standard; 2 m/min. minimum; 18 m/min. max	meters
Delivery time	12 weeks minimum; 15 weeks standard; 20 weeks max	weeks
Conveyor width/pallet width	500 mm minimum; 600 mm standard; 800 mm max	mm
Span for legs design-conveyor is supported by the legs with these spans	2 m standard; variable based on surrounding equipment and pallet weight.	meters

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