

Specifications

MagneMover™ LITE—positioning and control provided by MagneMotion Linear Synchronous Motor (LSM) Technology

- Motor, drive, controller, positioning and guidance built-in
- Up to 9 carriers (“pucks”) in motion per meter
- Up to 15 carriers in a queue per meter
- Payloads up to 2 kilograms
- Speeds to 2 m/s, acceleration to 0.2G
- 60 mm carriers (double carriers for 1 to 2 kg payloads)
- “Track and Trace” support built-in (without RFID)
- Repeatability at any location: ± 0.5 mm
- Repeatability at process stations: ± 0.05 mm
- Clean operation with few moving parts
- Wash-down capable (IP65)

Since 1996, MagneMotion has provided electro-magnetic solutions to the assembly automation, processing, material handling, and transportation industries for the fast, safe, clean, and efficient transport of goods and people. The Company’s patented Linear Synchronous Motor (LSM) technology offers the most advanced solutions available to the many industries it serves. The scalable nature of MagneMotion’s LSM technology allows for transport and positioning systems that handle payloads ranging from grams to metric tonnes, in virtually any environment.



Specifications subject to change without notice.

For more information:

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MagneMotion
A Force in Electro-Magnetic Systems

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MagneMover™ LITE
Intelligence in Motion

*The Intelligent Transport System
for Small, Light Loads*



Fast, Accurate, Programmable

MagneMotion



MagneMover™ LITE — Moving Automation to the Next Level

MagneMover™ LITE is an intelligent and affordable transport system specifically developed for the fast, precise movement, positioning and tracking of small, light loads up to 2 kg. Perfect for cleanrooms and wash-down environments, MagneMover LITE increases throughput and efficiency in many applications including pharmaceutical manufacturing, sterile and aseptic filling, food and beverage packaging, laboratory automation, medical device and consumer products manufacturing to name a few.

Based on MagneMotion's innovative and proven linear synchronous motor (LSM) and control technology, MagneMover LITE offers a superior alternative to conventional belt and chain conveyors for OEM/in-machine applications and for demanding product conveyance requirements. The intelligence and accuracy of the MagneMover LITE system is unmatched allowing for new levels of process optimization and increased throughput. The system is more than a conveyor – it is an axis of high speed, controlled motion.

Intelligence in Motion

MagneMover LITE provides accurate positioning (no hard stops required), bi-directional travel, smooth motion and continuous tracking and reporting.

Process Optimization

Simulation and configuration software tools simplify system design and optimization.

Intelligent Axis

The MagneMover LITE track is a controlled axis of motion – it can even eliminate one axis of robotic motion in many cases.

Complete Traceability

Know the unique ID of each carrier and where it is – at all times with complete reporting for audit trail, and with the ability to prioritize the routing of individual carriers.

Easy to Clean and Maintain

IP65 wash-down capable. Lack of moving parts means less maintenance.

Simple Integration

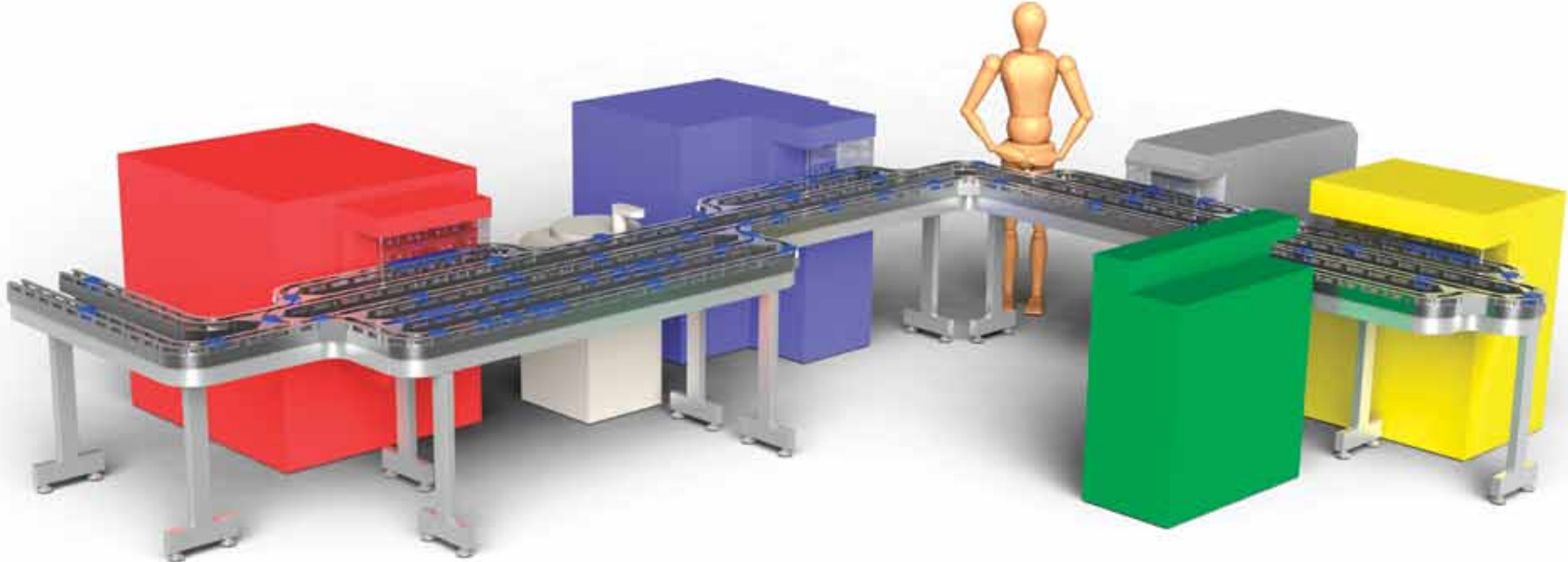
Standard industrial communication protocols, PC or PLC controlled, software configured move profiles for fast and easy changeovers.

High Reliability

Less wear and tear – no belts, chains, gears, or external sensors required.

High Modularity

Standard track building blocks provide true plug-and-play capability and make layout changes a snap.



Fast and Easy to Configure

MODULAR TRACK COMPONENTS AND SOFTWARE CONFIGURATION TOOLS MAKE FOR SEAMLESS PROCESS AND LAYOUT CHANGES



Glide Puck/Carrier



Wheeled Puck/Carrier



90° and 180° Curves



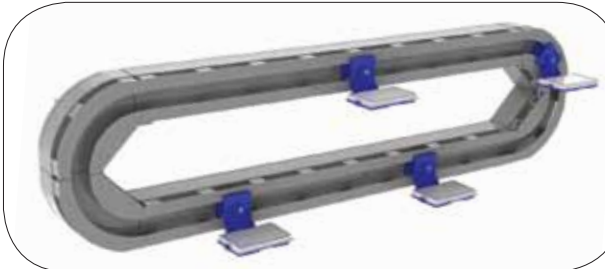
1 Meter Straight Track



0.25 Meter Straight Track



Left and Right Diverges



Over/Under Configurations