CONVEYOR SOLUTIONS FOR HIGH THROUGHPUT AND COMPLEX LAYOUTS IN INTRALOGISTICS ENVIRONMENTS.

Thousands of Eisenmann electrified conveyor trolleys are in active use around the world. Their modular design enables made-to-measure solutions for material flow automation across multiple industries. Electrified overhead monorails and floor-mounted conveyors with one or two rails can be deployed, depending on the specific space constraints, and on required loads and throughput.

A reliable dual-rail solution with a small footprint
Robust dual-rail electrified floor-mounted conveyors are designed for the high-availability, automated transfer of goods. These dynamic solutions feature compact, fast-acting switches for space-saving conveyor layouts. Low overall height and low load per square meter – plus the ability to easily scale up capacity by adding trolleys – make these conveyors ideal for installation in existing buildings. Moreover, the trolleys can be conveniently inspected and serviced in a dedicated maintenance zone without interrupting ongoing operations.

High-performance and TwinShuttle versions
Eisenmann is continuously developing its electrified conveyor systems in order to provide solutions that meet the needs of diverse industries. Its high-performance model, for instance, includes highly dynamic trolleys able to convey loads of up to 1,500 kg. These can accelerate at up to 1 m/s² and move goods at maximum speeds of up to 3 m/s.

The TwinShuttle version unites high flexibility with a small footprint. It raises throughput even further, to 800 pallets per hour, and can manage loads of up to 3,000 kg per trolley. Furthermore, this model combines the proven advantages of the Eisenmann electrified floor-mounted conveyor systems with the ability to transfer two Euro pallets per trolley simultaneously. It can also be employed to carry half-size pallets, or large carriers with or without overhanging loads. As a result, it is able to fulfill the requirements, for instance, of furniture retailers and spare parts suppliers, who often need to flexibly move goods of many dimensions.

Advanced control system technology
Each trolley has its own drive and its own control unit. They perform their tasks autonomously and move around the track automatically. Frequency-controlled drives and intelligent spacing allow the trolleys to accelerated or decelerate in line with their load and the intralogistics environment. As a result, more than 600 pallets per hour can be simultaneously picked and put away within a high-bay warehouse staging zone (800 pallets per hour with the TwinShuttle model). Central trolley management enables the solution to be aligned with varying demand or changing needs.

The TwinShuttle electrified conveyor transports different kinds of pallets and carriers.
Advantages of the dual-rail electrified conveyor
- High throughput: over 600 pallets per hour
- Payload of up to 1,500 kg per trolley
- Low-noise, low-maintenance system
- Also for use in deep-freeze warehouses
- Compact and scalable, ideal for installation in existing buildings

Additional advantages of the TwinShuttle electrified conveyor
- Very high throughput of up to 800 pallets per hour
- Payload of up to 2 x 1,500 kg = 3,000 kg per trolley
- Loading/unloading of two pallets individually or simultaneously
- Enables compact configurations and layouts
- Suitable for load carriers of diverse dimensions

The high-performance dual-rail electrified floor-mounted conveyor takes proven, robust technology to a whole new level.

The TwinShuttle version offers excellent flexibility and very high throughput.