

LOGO!MAT eCart – MODULAR ASSEMBLY – JUST IN SEQUENCE

The LOGO!MAT eCart System is a revolutionary conveyor system of self-driven, intelligent part carriers that ride along a passive track system. The eCart is perfect for Just in Sequence (JIS) manufacturing, which is a specialized version of Just in Time (JIT) that allows for flexibility of parts and configurations within the same assembly line. Our eCart system is particularly useful in the fields of assembly and test automation for the Just in Sequence production and delivery of vehicle components and modules.

The eCart is perfect for the manufacturing of large, heavy parts like front and rear axles, cockpits, seats, and front-end modules with optimal operator safety and the highest possible system availability. In addition to the benefits of the system itself, we provide quality customer support at every step of your project, from the planning and design phase, all the way through production, delivery, and implementation of the finished system.



The eCart system takes over part transportation in automated assembly lines for chassis (e.g. front and rear axles), interior (e.g. seats, cockpits) and exterior (e.g. front-ends) components, Just in Sequence. The efficiency and intelligence of the eCart system enables the production and delivery of vehicle modules at the exact time, place, and in the order they are required for final assembly.

Transport takes place either according to the “Stop and Go” or “Continuous Flow” principle. In addition, each eCart offers continuous 48V/10A DC energy to power your tooling. This allows for the uninterrupted use of lifting devices, intelligent tooling, and test cycles while the eCart is moving, all without the need for batteries. The eCart system also offers data communication; this enables automatic parameter changes and the exchange of information, such as Cart numbers, during operation.



The eCart's passive track system contains no moving parts and is totally maintenance-free and completely accessible; operators can safely step on and around the entire track to access all sides of the part. This saves considerable investment and operating costs in regards to the interlinking of assembly modules when compared to traditional conveyor systems. This also applies to the adaptability of the system when it comes to increasing or changing demands from the end

customer. By eliminating the need for guarding and additional structures around the system, the flexible, modular eCart system can be quickly and efficiently expanded to meet new requirements, without interrupting production on the current equipment.

The eCart system also offers excellent energy savings, consuming up to 80% less power than traditional roller or chain conveyors. This is a huge advantage in terms of sustainability, environmental concerns, and economic efficiency.



We are constantly developing our conveyor technology to keep up with industry changes. We offer detailed system planning to develop efficient conveyors for the production of chassis and interior and exterior modules to ensure you have a system that can adapt to meet your needs for years to come.

In addition to simply transporting your parts, the eCart system decisively contributes to successful quality assurance, effective production controls, and reduced integration and operational costs for Just in Sequence production.