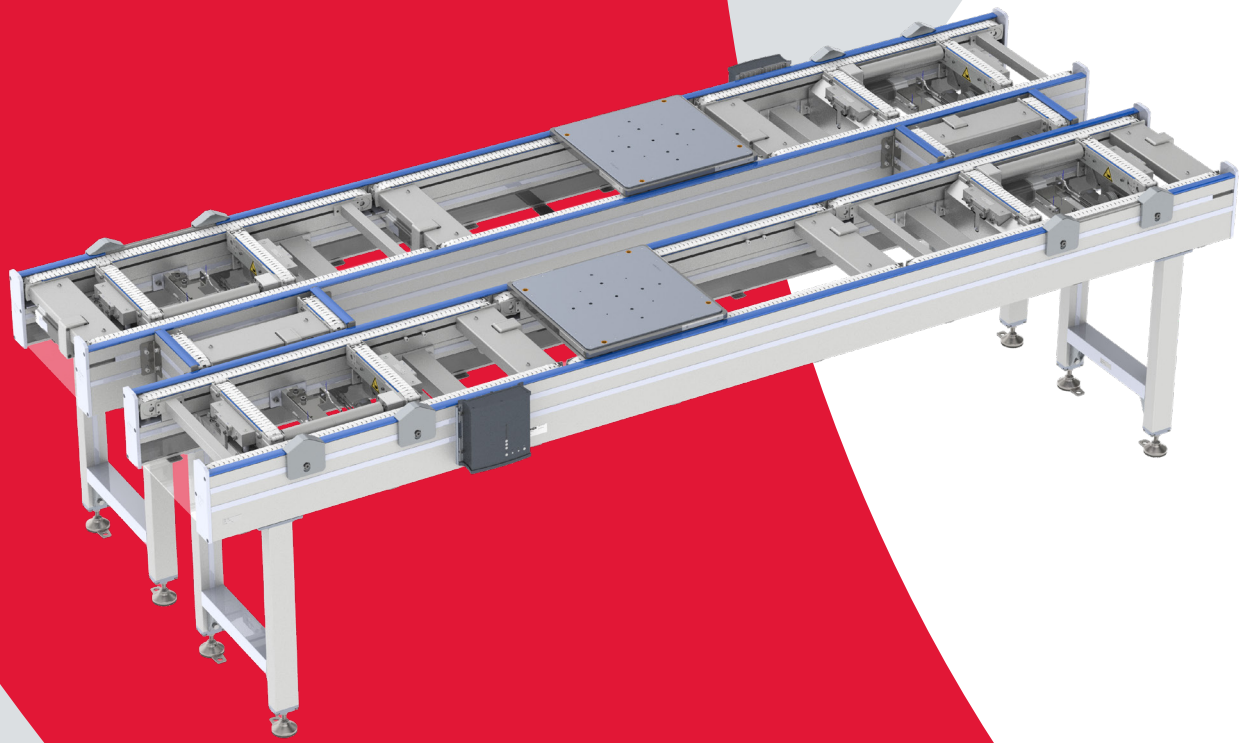
FLEXLINK®
a coesia company

MTT Modular Twin Track

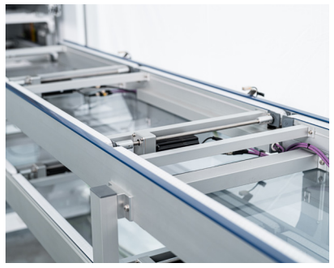


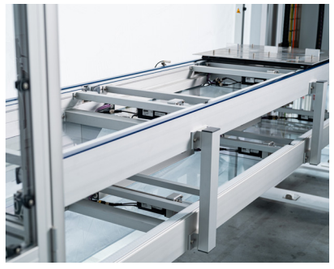
Introducing the MTT modular conveyor concept

Experience a smarter way to handle your products. The new MTT platform combines gentle product handling with a highly modular design, reducing your design and assembly time while keeping installation quick and efficient.
MTT is available for cleanroom and ESD environments, ensuring reliability and compliance for sensitive applications.

Pallet handling with the latest technology

FlexLink's MTT solution with single pallet handling and fully electrical solutions will ensure an exceptionally quiet production environment where pallets remain under complete control and products are handled with the utmost care.
The modular setup with mechatronic modules delivered ready from FlexLink will streamline layout design, reduce control engineering efforts, and significantly shorten installation and startup time.
Experience the future of pallet handling – smarter, quieter, and more efficient.





Key features and benefits

Prebuilt mechatronic modules
- Fewer engineering hours, faster installation, and rebuild/extensions

Low noise and soft product handling
- Full control of the pallet movements makes MTT perfect to handle fragile products
- Electrified system together with conveyors only running when needed minimizing the noise

Ready for cleanroom and ESD environments
- Meet battery industry standards with ISO Class 5, dry room compatibility, and zinc-free materials
- ESD-safe ISO class 5 cleanroom for electronics production

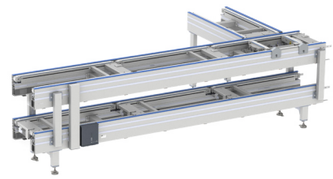
Single pallet handling
- Minimum of dust generation, no hard stop, no risk for pallet collisions

Fully electrified
- Energy efficient solution with intelligent connection to all equipment, enabler of full pallet control

System design with FlexLink Design Tool (FLDT)

Easy and quick layout design
- Create complete system layouts quickly with FLDT's step-by-step configuration of all modules and equipment

Built-in Simulation
- Test required output and functionality before implementation using FLDT's integrated simulation tool



Control setup

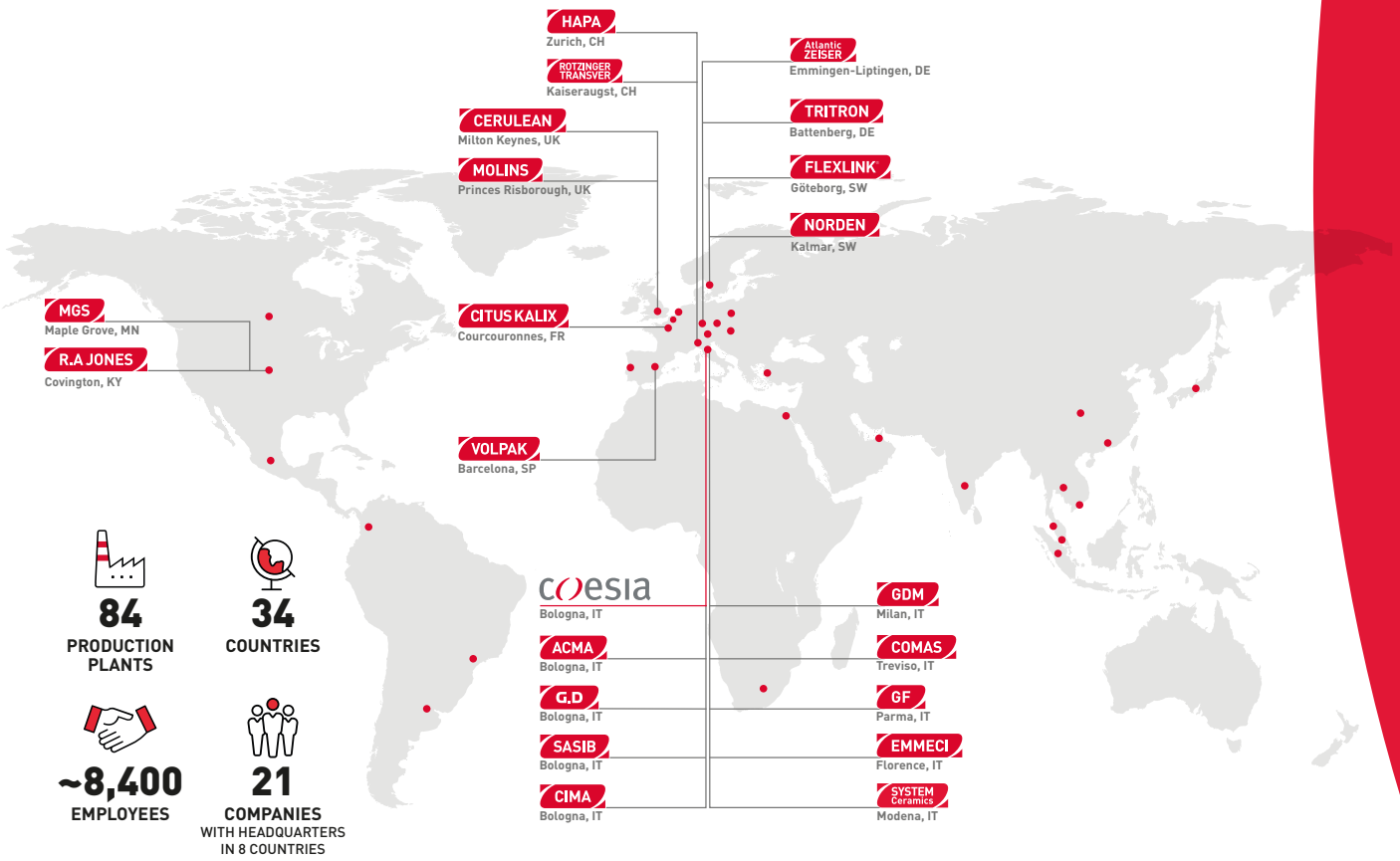
Module control
- Modules are delivered including all required control equipment in place. FlexLink's intelligent SCDC unit works as an interface to all 24VDC motors, I/O and RFID in the module.

System control
- System level control requires a central PLC cabinet and 3-phase power and network out to the modules. Pre-done PLC blocks and E-plan templates will minimize the required control work.

Technical data

Basic data	• Modules available both as one and two level • Module lengths up to 4 meters (free length) • Pallet sizes from 400-640mm • Maximum load: 30Kg (including pallet) • Variable speed. Maximum 20m/min • Up to 4 conveyors per level • Up to 2 transfers per module level
Main building blocks in an MTT module	• Module frame with built in cable ducts • Twin track chain conveyors • Transfers including function kits • Plastic dust covers underneath conveyors • Satellite units • Power PCU for 24VDC • SCDC controller • Control hardware • RFID readers • Pallets for cleanroom and ESD
Way to order	• Complete mechatronic module (preferred) • Complete mechanical module - incl. motors and SCDC • Prebuilt building units - conveyor, transfer etc.

Coesia Group in the world



COESIA is a group of innovation-based industrial and packaging solutions companies operating globally, headquartered in Bologna, Italy.

Coesia's companies are leaders in the sectors of:

- **Advanced automated machinery**
- **Industrial process solutions**
- **High-performance transmissions**

Coesia's customers are leading players in a broad range of industries, including Aerospace, Ceramic Tiles, Consumer Goods, Electronics, Energy Storage Systems, Healthcare & Pharma, Luxury Goods, Next-generation products, Racing & Automotive, Semiconductors, and Tobacco.

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