



INDUSTRIAL AUTOMATION FOR AUTOMOTIVE AND BATTERY



PARTNER FOR THE AUTOMOTIVE INDUSTRY

FlexLink has ever since the beginning had a deep connection with the automotive industry. Today it serves a global customer base ranging from local manufacturers to global corporations.

Since 1980 FlexLink is a leading factory automation expert providing line architecture and smart conveyor solutions to OEM manufacturers and machine builders all over the world. FlexLink delivers solutions that increase the efficiency of your production flow and processes from conveyor components to turn-key solutions.

The high level of standardization enables quick response and delivery times, as well as a high grade of scalability and flexibility. Trustful collaboration reaches throughout the process from first response and proposals through project management, installation, commissioning, training, and after-sales support.

FlexLink solutions are geared for a low cost of ownership and highly reusable, requiring a minimum of maintenance with low power consumption. We have a wide installed base with automotive customers covering Europe, USA and China.

FOCUSED ON EFFICIENCY

- Easy-to-use and time-efficient design and operation tools
- Smart automation concepts enabled by durable conveyor and handling systems
- Standardized controls, simplified operator guidance, and OEE software for improved factory utilization and visibility
- Services and support to safeguard productivity

DESIGNING SMART PRODUCTION LINES BASED ON A MODULAR PLATFORM CONCEPT

As system architects, FlexLink supports you with the line design and continuous optimization through its entire lifecycle.

The process starts with an initial consultation and a feasibility study based on acquired data from existing lines to create a simulation and iteration analysis.

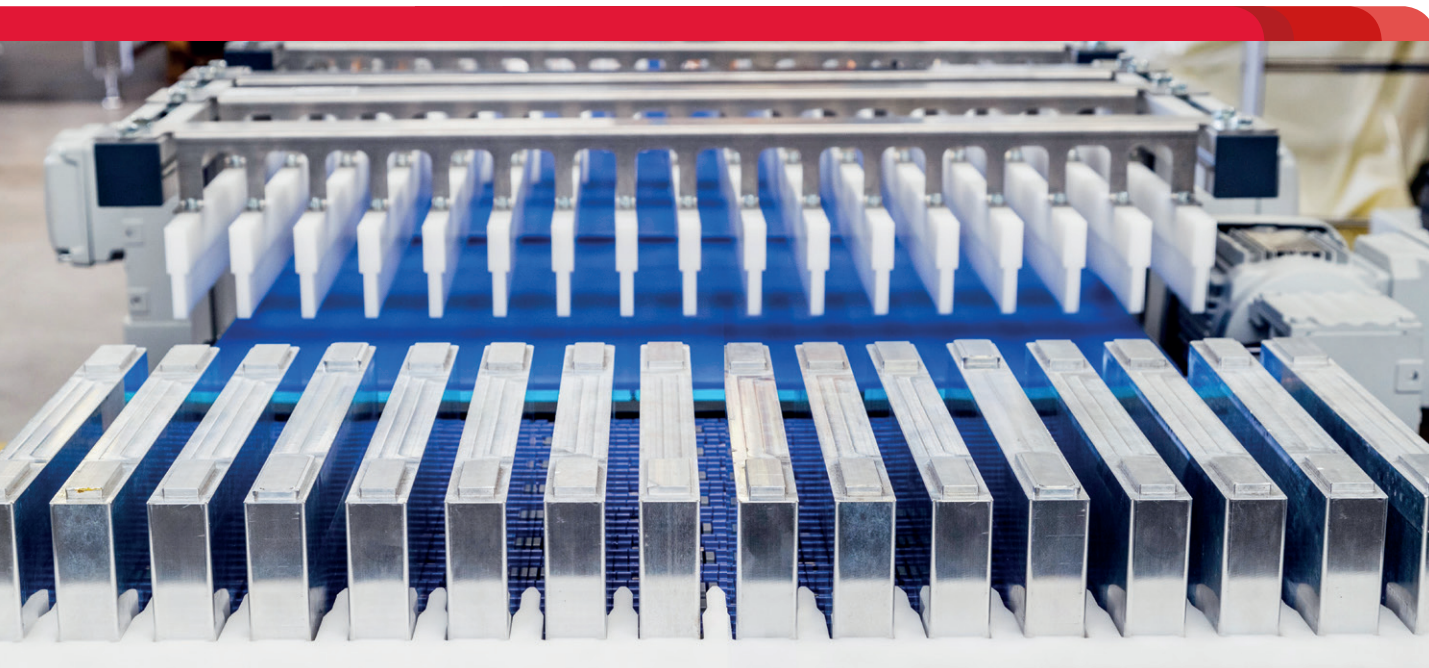
With the results from the study and our extensive experience, we can define the optimal solution for your needs. Robust conveyor systems, electrical functions, and a wide range of standardized software provide the tools to create a smart production flow.

We take ownership of all interfaces between production flow, machines, and processes to ensure that the overall line effectiveness is taken into consideration.

Additionally, you get a virtual simulation of the line for future process changes, expansion, or the introduction of new products. Our project management team, advanced engineering, and line monitoring tools enable cost-efficient and trouble-free commissioning.

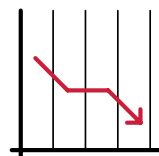
We collect real-time data from the line and electrical functions for diagnostics and optimization to reach your desired OEE.





CUSTOMIZED SOLUTIONS FOR LOW, MEDIUM OR HIGH AUTOMATION NEEDS

FlexLink offers a wide range of production flow and handling solutions for the conventional and electrical automotive industry.



Reducing Total Cost of Ownership

FlexLink's efficient solutions with low operating costs have a significant impact on the total cost of ownership. Because of the lean design of the line, there are fewer production disturbances, less maintenance, and longer service life, all of which lower TCO.

Higher speeds and capacities give increased throughput and reduced cost per produced unit as well. The high level of product standardization makes it easy to extend or modify your installations in accordance with changing production needs, keeping your investment low.



Domain Expertise in E-Mobility

FlexLink worked already more than a century with OEMs in the E-Mobility industry. Therefore we could gather outstanding know-how in the complete value chain of battery manufacturing.

This experience includes EV components and battery manufacturing applications like battery cell manufacturing, module mounting, and battery pack assembly. Furthermore, it includes handling modules and pallet applications for manufacturing, assembly, test, and laser marking.

SINGLE-PIECE FLOW

Single-piece flow applications can be created by combining a conveyor system with an intelligent line control. The result is a controllable process with a standardized, continuous flow, minimised work-in-progress (WIP) and high throughput, allowing you to focus on value-added time.



The X45 conveyor platform, for example, is compact, making integration and machine interface easy. Efficient line layouts allow you to optimize your production flow.

Such puck systems offer long term, trouble-free operation, and the flexibility to adapt to changing production needs or market requirements.

The drive and puck handling units offer unique solutions for easy and efficient control of your single piece flow system. By using pre-engineered, high capacity, compact functions, the modules can leverage a simplified control design that allows easy modification and customization.

PALLET SYSTEM FOR HEAVY DUTIES

This system increases available production time due to reduced pallet exchange time in the dual conveyor speed sections. It is also for short Mean Time To Repair (MTTR) and low friction accumulation that reduces wear, downtime, and TCO.

The twin-track conveyor for heavy loads is fully digitized and prepared for IIoT and traceability requirements. The standardized modules with pre-defined control logics shorten design and installation time, reducing time-to-market.





SERVICES AND SUPPORT TO SAFEGUARD PRODUCTIVITY

FlexLink can help you to avoid unscheduled downtime and ensure that you get the best ROI and efficiency throughout the service life of your equipment.

We offer a range of different support and maintenance services that can be tailored to suit your requirements.

We conduct an on-site survey to measure key indicators for each process step in your production line. Afterward, we submit a report on the expected increase in OEE (Overall Equipment Effectiveness), along with an investment plan. Our ultimate goal is for your equipment to meet your expectations at all times.



EASY DATA ACQUISITION FOR PRODUCTION AND CONDITION MONITORING

Production Monitoring from FlexLink is an OEE software for improved production utilization, visibility, and control. It provides simplified access to accurate, high-quality production, and condition data in real-time to get utilization reports, trend analyses, comparisons, and early warnings.

The software helps to collect data for improving line efficiency by localization of bottlenecks and identifying the causes. The production monitoring tool is independent, quick to install and easy to configure.

The intuitive user interface allows easy navigation through the line and machine list. The tool can be added to any existing or new production line. Adding an autonomous FlexLink Device Controller will allow a comprehensive and convenient collection of production-related information and start continuous monitoring.

BENEFIT FROM OUR TECHNICAL EXPERTISE



+40 Years Experience

Partnering with OEMs and automotive sub-suppliers



Sustainable & ISO-certified

Vendor & certified by nearly all automotive market leaders



+80.000 Installations

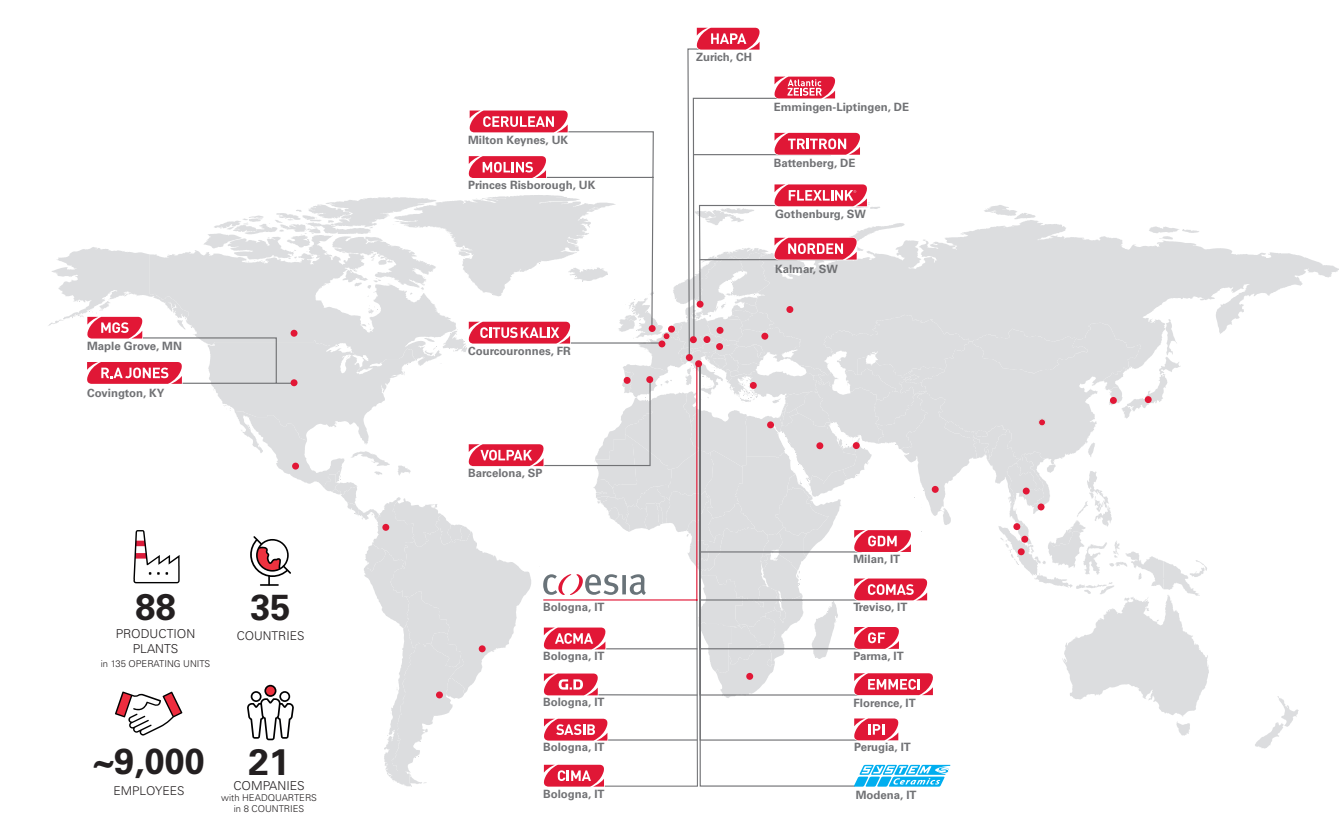
Highly standardized, reliable products for quick installation



Global Presence

A team of experts is available for your projects

COESIA GROUP IN THE WORLD



coesia

Coesia is a group of innovation-based industrial and packaging solutions companies operating globally, headquartered in Bologna, Italy, owned by Isabella Seràgnoli.

- Coesia’s companies are leaders in the sectors of:
- **Advanced automated machinery and packaging materials**
 - **Industrial process solutions**
 - **Precision gears**

Coesia’s customers are leading players in a broad range, including Aerospace, Consumer Goods, Electronics, Healthcare, Luxury Goods, Pharmaceutical, Racing & Automotive and Tobacco.



info@flexlink.com
www.flexlink.com