FLEXLINK®
a coesia company

Dynamic flows for tissue & hygiene products

Over 40 years of driving efficiency in tissue and diaper production

With over four decades of expertise, FlexLink designs and delivers high-performance production lines tailored to the tissue and diaper industry.

Our deep process know-how enables smarter efficiency, from demand-driven line balancing that maximizes machine utilization and runtime, to compact layouts that enhance operator access and simplify daily operations.

Our comprehensive portfolio is purpose-built for the tissue and diaper sector, combining advanced conveyor systems with dynamic handling and distribution solutions. The result: higher output, smarter use of space, and a tangible boost in overall productivity.

Our portfolio

We support large-scale projects with complete, end-to-end solutions, while also offering customizable systems tailored to specific production needs.

- Line design and turnkey system delivery
- Industry-specific conveyor and palletizing solutions
- Handling functions
- Dynamic balancing solutions
- Integration, line control and system management.

Gentle handling with maximum throughput

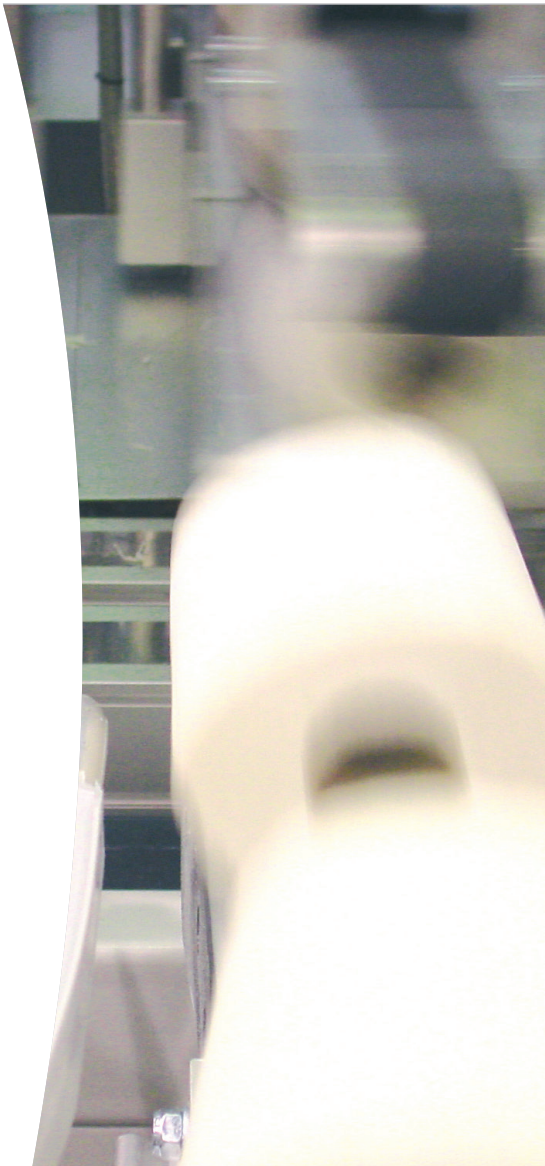
Our experience in paper converting have shaped innovative product handling solutions developed in close collaboration with end-users. Using smart combinations of conveyors, diverters, and controls, we optimize every line for a demand-driven, balanced flow.
The result: increased run-time and throughput, reduced accumulation, optimized floor usage and improved operator access.

Our systems are proven to deliver high uptime, low noise, and minimal spare part requirements. They also support fast product changeovers and multi-product line flexibility. Thanks to their modular design, our layouts allow gradual investments and a quicker return on investment.

Your partner for complete line solutions – from greenfield to retrofit and beyond

For over 40 years, FlexLink has supported the tissue industry with cutting-edge technology and highly efficient production layouts. From greenfield installations to upgrades of existing facilities, our goal is always the same: optimize space, cut energy use, and simplify operations for your team.

Our engineers work side by side with you, leveraging value stream mapping and a customer-focused approach to design solutions that are efficient, scalable, and built for the future.



From concept to production start-up – we’re with you all the way

Project execution is handled by certified professionals, who apply a structured, field-proven process. From initial planning and design to installation, ramp-up, and final handover, every step is managed with precision to ensure on-time delivery, consistent quality, and full transparency.

Reliable conveying solutions for tissue

FlexLink offers a broad range of conveyor systems, from flexible plastic chain to modular and flat belt models, engineered for converting and packaging processes, to move everything from rolls and cores to wet wipes, cartons, bundles and cases.

Our exclusive X65Y conveyor, with its open beam design, is purpose-built for handling unwrapped tissue in dusty environments. It delivers outstanding performance in speed, reliability, durability and has smoothest and self-emptying transfers between conveyors, all while operating quietly, with minimal maintenance and long service life

Handling solutions

FlexLink provides multiple solutions for product handling, such a reorientation and elevation. These systems are positively driven to ensure maximum reliability and throughput and are designed for minimal or no changeover time.

Our solutions include:

- Turning units
- Up-enders
- Twisted conveyors
- Wedge and spiral elevators
- Star wheels

When elevating the product flow, valuable floor space is reclaimed – allowing for increased production capacity and better operator access. FlexLink offers a broad range of elevation solutions, such as wedge elevators, spiral conveyors, and incline conveyors.

Line balancing – dynamic motion

An optimized, balanced flow is the key to maximizing output. FlexLink's solutions enable your line to "breathe", avoiding bottlenecks and queues by ensuring smooth product distribution and ideal timing between process stages.
Our proprietary Dynamic Flow Concept (DFC™) and Dynamic Motion Transfer (DMT™) deliver high-speed handling and precise control, aligning flow rates with your line's real-time needs.

Key functions include:
- Diverters / Laners
- Mergers / Combiners
- Dynamic accumulation

Palletizing and end-of line solutions

FlexLink offers a range of well proven robotic solutions, used for palletizing and similar applications and customized to end-users requirements and available space. Robotic automation ensures consistent product handling, reduces manual work, and minimizes downtime, resulting in smoother, more cost-efficient operations.

Our intelligent robotic systems are with highest level of automation and designed for high throughput with maintained flexibility and seamless, and seamless integration into your current setup. Its future-proof design allow for a wide range of product formats such as bags, bundles, trays and cases with your different pallet formats, adapt to your available space, and meet your capacity needs. Reliable, flexible, and fast to install, they're built to accelerate your production.

Examples of our standard robotic applications

RC12 Collaborative Palletizer

The RC12 does not require a fence system, cage, or other safety elements and allows operators to work safely side-by-side with the robot.
- Standardized and open for customization
- Unmatched safety
- Ease-of-use

RI20 Industrial Palletizer

The RI20 ensures seamless operations with our flexible, safe, and efficient end-of-line palletizing solution
- Safe and efficient robot-operator interaction for seamless operations
- No advanced programming or skills needed
- Easy to integrate and relocate for a flexible production planning

System management and line control

Key features include:

- Distributed line control, industrial net-work and communication for data collection and exchange
- Automatic change-over and system operation based on real-time data from original source
- Identification of bottleneck and harmonization of machine speeds to downstream consumption for optimal runtime
- Dynamic balancing and speed control for maximal machine utilization and overall system throughput

Take control of your factory performance with FlexLink's standardized control concept. It simplifies speed regulation and line management while providing real-time insights into productivity. Access efficiency data instantly, identify bottlenecks and root causes through clear utilization reports, and monitor trends to continuously improve your operations.

DMT™ technology is state-of-the-art for line balancing in high-volume production flows. Products are distributed based on downstream process and capacity requirements, enabling demand-driven production. This patent-pending solution balances flows at rates exceeding 1,000 ppm.

Smart integration for full process control

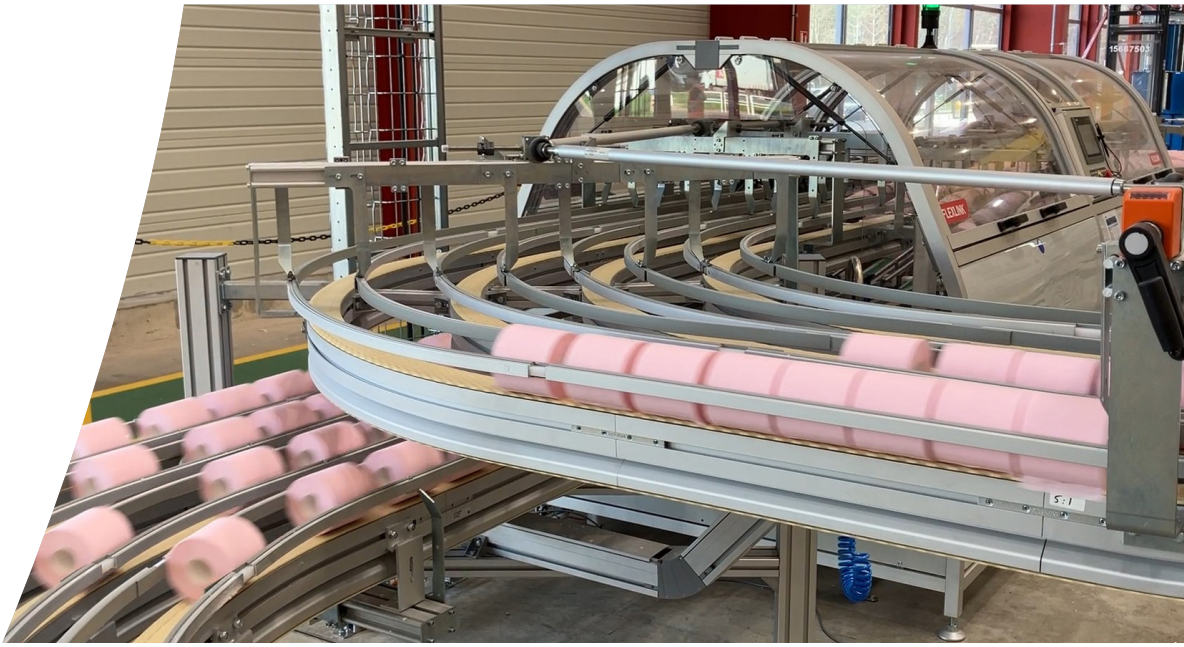
More than automation – complete process assurance

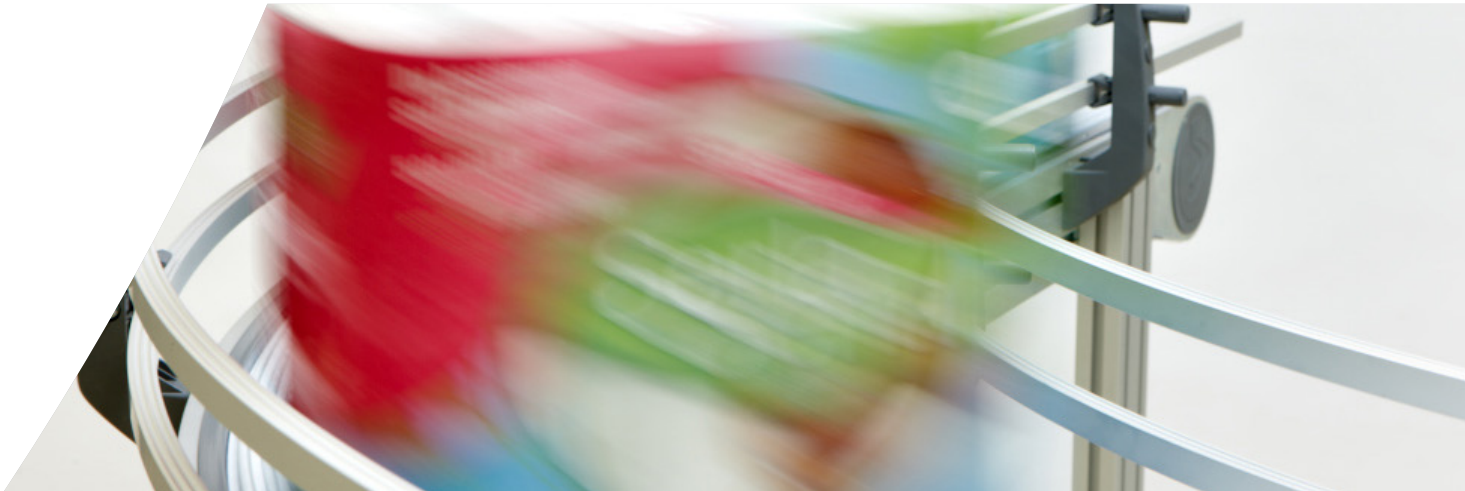
FlexLink provides full integration of essential quality and compliance functions directly into your production flow:

- Product tracking & tracing
- Inline printing and code verification
- Metal detection, weight checking and visual inspection
- Labeling, sticker application and verification

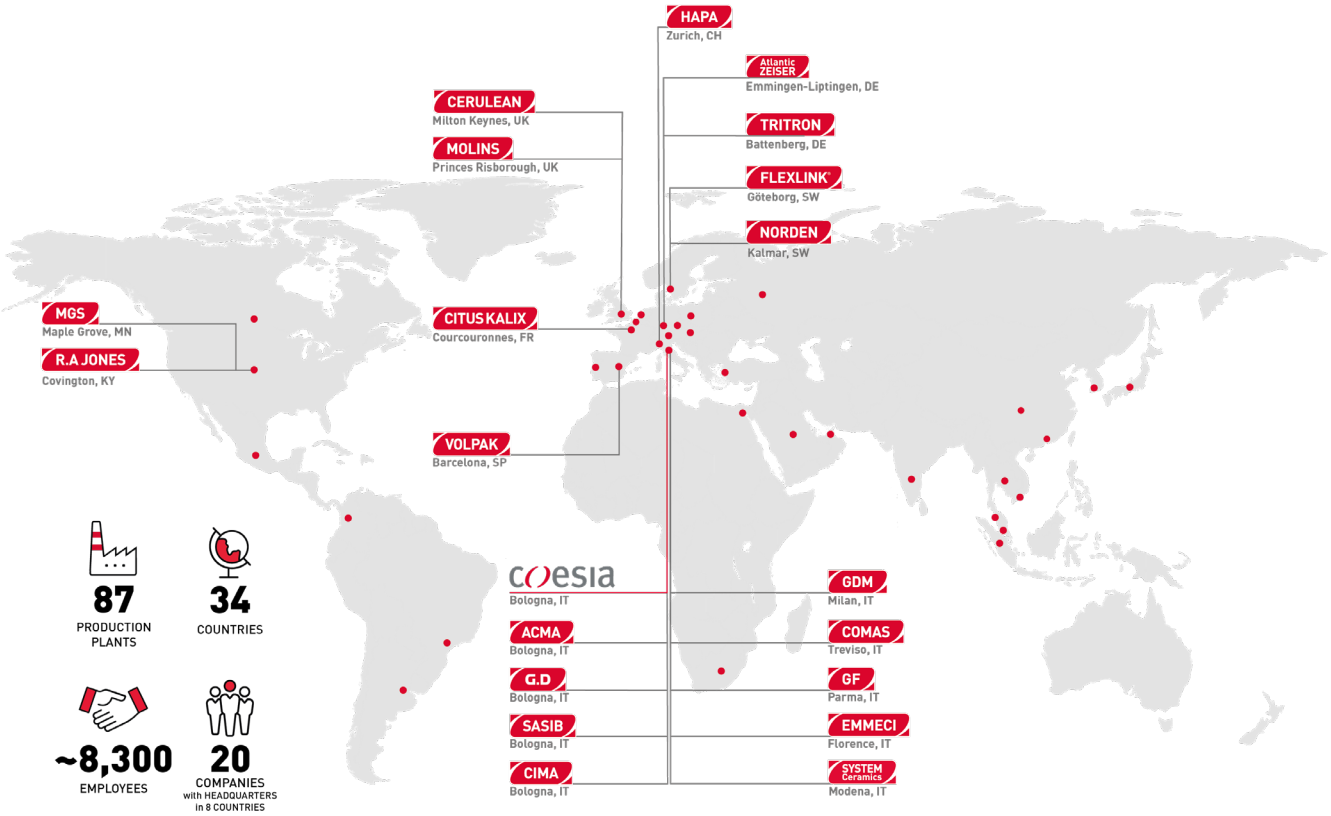
FlexLink supports full system integration that goes beyond transport and handling. We incorporate quality verification, product tracking & tracing, and printing solutions directly into the production line, ensuring each product meets your exact standards. Our systems verify the printed information in real time, ensuring accuracy and compliance.

Whether it's code verification, metal detection, or promotional sticker application and inspection. FlexLink provides the equipment, integration, and control logic needed for reliable in-line verification. This expanded project scope reflects our commitment to delivering not just automation, but complete process assurance from start to finish.





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 Consumer Goods, Tobacco, Healthcare, Aerospace, Racing & Automotive and Electronics.

FLEXLINK®
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