



DYNAMIC FLOWS FOR TISSUE AND DIAPERS



a coesia company



FlexLink has more than 35 years of experience designing and installing production lines for the tissue and diaper industry. Our solutions are based on deep process knowledge that enhances efficiency in different ways such as the demand driven line balancing for optimal utilization and run time of converting machine and packaging equipment. Another driver for efficiency is the smart, compact line layouts with good operator access to equipment and ease of work.

Our wide range of solutions are specifically developed for the tissue and diaper industry. This includes conveyor equipment and dynamic handling and distribution solutions that deliver high output and smart, compact layouts that enhance overall efficiency.

OUR OFFER

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

GENTLE HANDLING WITH MAXIMUM THROUGHPUT

Decades of experience within the paper converting industry have inspired our innovative product handling solutions, developed in close cooperation with manufacturers and partners. Production lines are optimized through sophisticated use of conveyors, handling solutions, diverters and controls. Thus creating a demand driven and balanced flow, greatly reducing accumulation areas and dramatically improving operator access and floor utilization.



Our innovative and well proven solutions ensure reliability, uptime, low noise levels and minimum spare part requirements. We offer quick changeovers and multi-product line capabilities. In addition, the modular, easy to change production layout, allows you to make simple, step-by-step investments and all-in-all a quick return on investment.

FROM GREEN FIELDS CONSULTING TO...

We have supported the tissue industry with breakthrough technology and efficient production line layouts for more than three decades. Our experienced engineers help you define and design your line with the optimal utilization of available space, minimized energy consumption and highest operator convenience. With value stream analysis and close customer relationships, our experts will find the solution best suited for your needs.



Our adjustable guiding systems considerably reduce changeover time and as a result, increases the production time.

The twister offers a gentle and trouble-free solution to reorient packages.



...PRODUCTION START-UP

Our project fulfillment follows a proven process and is handled by highly skilled professionals who work closely with our customers through the entire experience. From the project planning and design stage, all the way through to assembly, installation & ramp up, to project closure. Many of our project engineers are either PMP or IPMA certified.

CONVEYOR SYSTEMS

Conveyors are available in different sizes and models, e.g. flexible plastic chain, modular belt and flat belt. We handle rolls, cores, packs, bags, cartons, boxes and wet wipes.

The unique X65Y conveyor with its open beam is developed for naked tissue in dusty environments. It has the highest performance with regards to reliable handling, speed, length and cleanliness, yet with a low noise level, long service life and low maintenance costs.



HANDLING SOLUTIONS

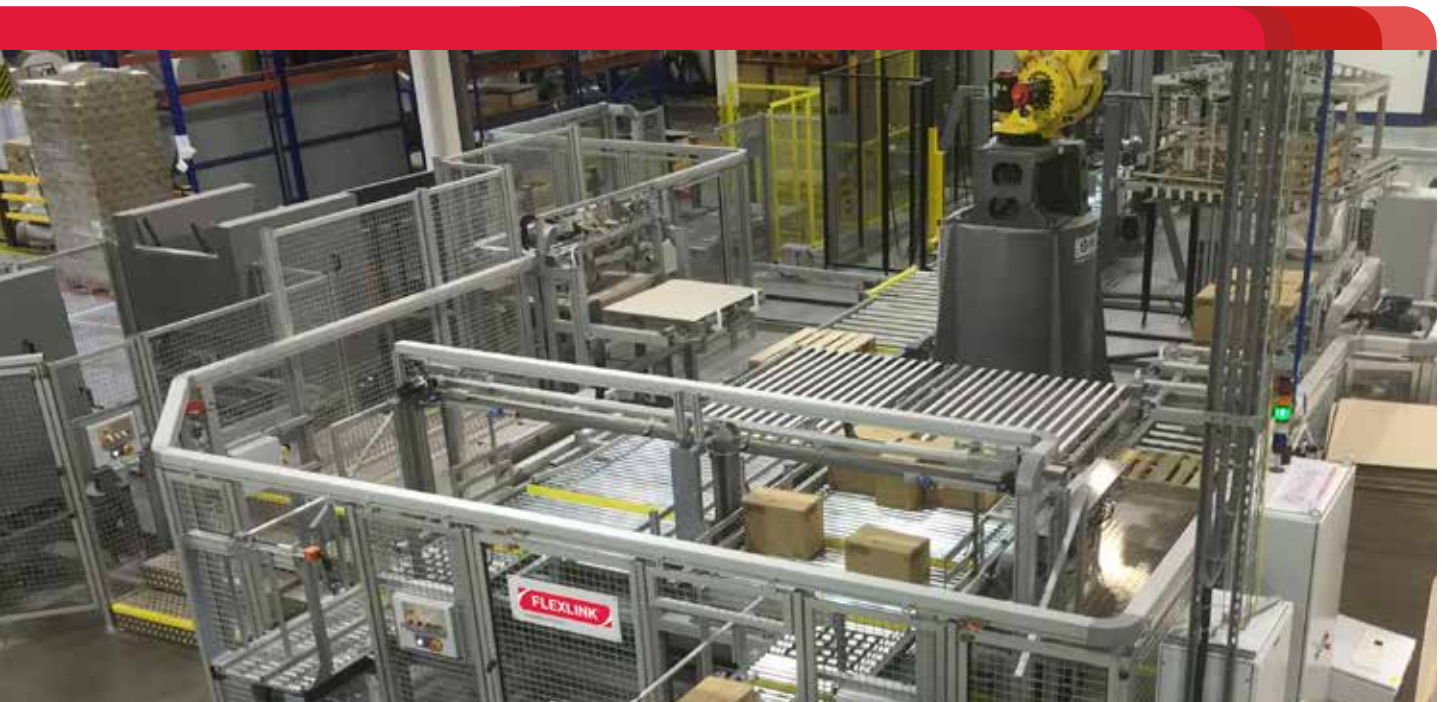
FlexLink has several solutions for product reorientation. The manipulation is positively driven for highest reliability and through-put. The devices are designed with little to no change-over time. Solutions offered:

- Turning units
- Up-enders
- Twisted conveyors
- Star wheels

When elevating the production flow, you reclaim valuable floor space, which enables you to add more production capacity as well as increase accessibility for your operators. FlexLink has a wide range of solutions like wedge elevator, spiral and incline conveyors.

STANDARDIZED ROBOTICS - END-OF-LINE PALLETIZING

FlexLink offers a range of standardized robot solutions, applying either industrial or collaborative robots. We have an extensive experience delivering turnkey robot installations world-wide. Our systems handle cases and bundles, that are adapted to your available space and capacity needs. Our standardized solutions offer high reliability, short delivery time and quick ramp-up.



LINE BALANCING - DYNAMIC MOTION

A perfectly balanced flow optimizes your production output. Solutions by FlexLink allows the line to breathe and avoid queuing. It is also easy to distribute the flow and ensure that the right amount of product arrives on time to downstream machines. Optimal line balancing is achieved through our Dynamic Flow Concept (DFC™), Dynamic Motion Transfer Concept (DMT™) for high speed handling and accurate line control.

- Diverters / Laners
- Mergers / Combiners
- Dynamic accumulation

System management and line control

Improve your factory utilization, visibility and control. Our standardized control concept permits easy and accurate speed control and line management. You can gain access to important production efficiency data in real time, as well as locate bottlenecks and root causes through production and machine utilization reports, make trend analyses and comparisons.

- Harmonization of conveyor speed to machine speeds, or machine speeds to optimized system speed
- Dynamic balancing for optimal machine utilization
- Back-log control for optimal product accumulation and equipment run time
- Securement of product availability and products in transit
- Distributed line control and communication



Dynamic Motion Transfer

The DMT™ technology is state-of-art in line balancing of high volume production flows. Products get distributed according to the downstream process and capacity requirements, enabling demand driven production. The patent-pending solution is able to balance flows at rates over 1,000 ppm.

COESIA GROUP IN THE WORLD



coesia

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

Coesia's companies are leaders in the sectors of:

- Advanced automated machinery and materials
- Industrial process solutions
- Precision gears

Coesia's customers are leading players in a broad range of industries, including Consumer Goods, Tobacco, Healthcare, Aerospace, Racing & Automotive and Electronics.

coesia.com



a coesia company

info@flexlink.com
flexlink.com