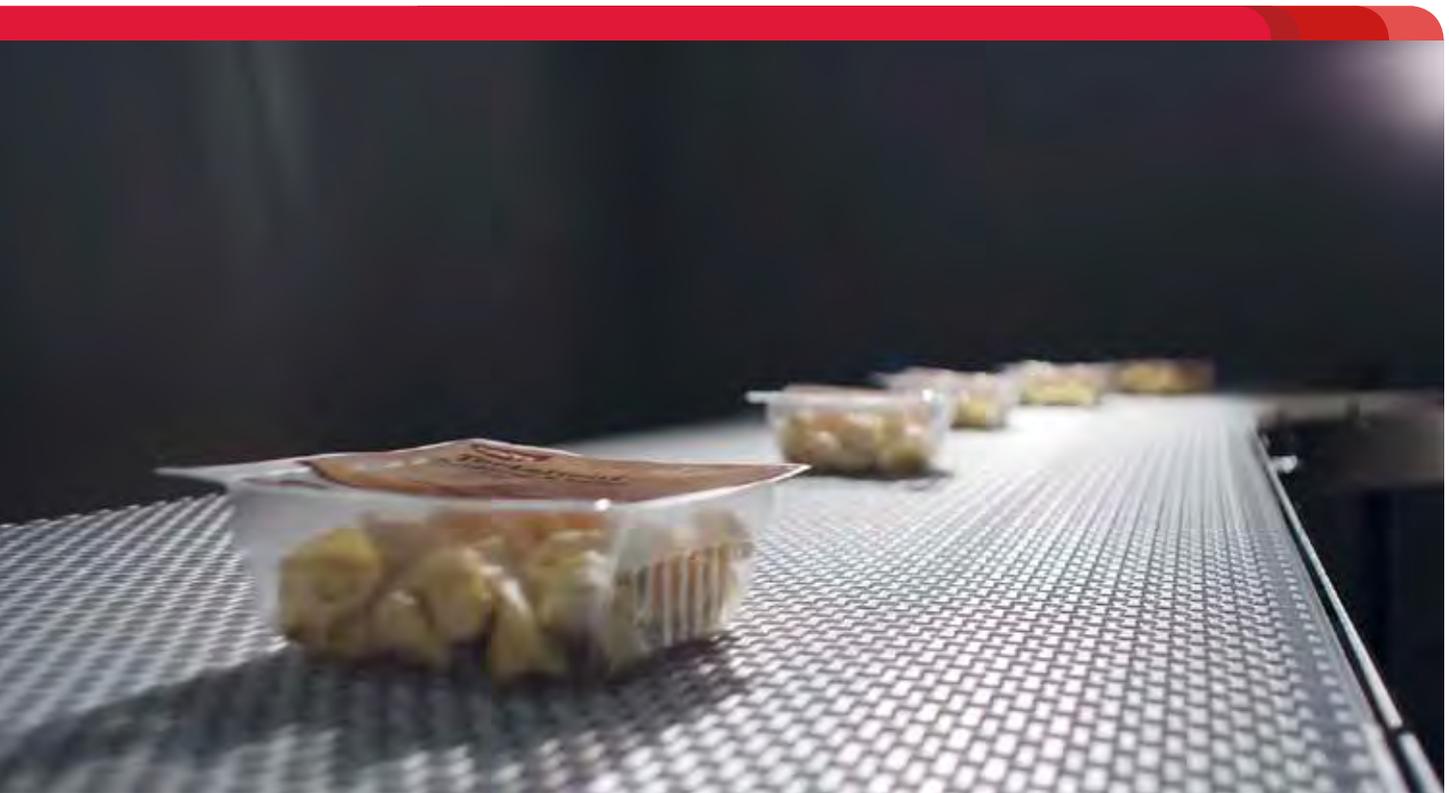




FOOD AND DAIRY SOLUTIONS



## PROTECT YOUR BRAND

The importance of a clean, hygienic production environment increases considerably when handling unpacked food in wet and even dry environments. Failure to meet these requirements can result in extreme measures such as; a product recall or, even worse, consumer illness, which would significantly impact both brand image and bottom line. Food processors rely on strict hygienic standards in their processes to prevent the growth of harmful bacteria. The consumer demands for natural products and longer shelf life increases the potential for microbial contamination if the high hygienic standards are not maintained.

### **Hygienic design for direct food contact**

A simplified hygienic conveyor design increases ease-of-cleaning and reduces downtime and overall costs, positively impacting the bottom line. Crevice- and cavity-free design eliminates most of the problematic areas to clean. A repeatable and consistent cleaning result is ensured with small contact surfaces between component parts, no open threads, sharp corners, or flat horizontal surfaces. One example is our modular wide belt conveyor platform, WLX, adhering to EHEDG and 3-A design guidelines.

# SECURE YOUR BOTTOM LINE

Every day is a fight to lower production costs and increase production efficiency. FlexLink is the right partner, with knowledge and solutions, when you want to reduce the Total Cost of Ownership (TCO) and increase Overall Equipment Effectiveness (OEE).

## Reduce TCO

### *Improve production time*

- Quick to clean
- Easy to use
- Robust design

### *Trouble-free operations*

- Long service life
- Low wear
- Standardization

### *Best practices*

- Short ramp-up time
- Global distribution and support

### *Sustainability*

- Low water and detergent consumption
- Low power consumption
- Operator safety

## Increase OEE

### *Balanced production flow*

- Customer order driven
- Flexible
- Consistent performance

### *Compact solutions*

- Optimized floor space utilization
- Operator accessibility
- Simplified replenishment of consumables

### *High availability*

- Minimum maintenance
- Easy and fast to clean, with consistent results



# PRODUCTION NEEDS

The requirements on production efficiency result from increased competition, frequent product introductions, and short timelines for product launches.



*The driven star wheel permits gentle and safe reorientation of bricks.*

*The production flow can be elevated using different techniques. The solutions are based on standard FlexLink components to maximize service life.*



## *Fundamentals of a production line design*

- Maximized equipment utilization
- High flexibility in, e.g., capacity and product mix
- High availability
- High capacity
- Gentle product handling
- Optimized floor space utilization
- Minimum maintenance with low frequency
- Fast and efficient cleaning with consistent results
- Safe and low operating costs

# FLEXLINK SOLUTIONS

Our experience in combination with a toolbox of solutions and products forms the base when designing to your needs.

- Layout and floor space optimization
- Dynamic line and flow control
- Buffers
- Diverters and mergers
- State-of-the-art conveyor technology
- Hygienic design



## Application areas

Our solutions assure trouble-free operation and long service life from packaged meat and dairy to bread and flour. Ready to be installed in any application area – from primary packaging to end-of-line.

Suitable packages: pouches, standing pouches, bottles, gable tops, cartons, cases, bags, skins, and trays.

## OPERATOR FRIENDLY

Ensuring it is easy and safe for the operators to do their job, our solutions are ergonomic and put the operation in focus.

- Easy to clean and inspect
- No pinch points or sharp edges
- No heavy lifts
- Low noise level



*Chain washer unit*

### **Fast and easy cleaning**

Downtime is lost production time. Cleaning must be quick, efficient, and easy to verify the result. FlexLink supplies various cleaning solutions and product features.

- Open design
- Chain washer unit with or without dryer
- Clean-in-place unit (CIP)
- Chain lift function for modular wide belt conveyors

# STAINLESS STEEL CONVEYORS

## Chain conveyors

The chain conveyor systems are clean and robust. They include a complete range of guide rails, supports, and handling functions. The design follows a proactive approach to increase cleanliness and minimize dirt pockets, with rounded surfaces for better drainage. The highly modular conveyor systems permit easy engineering and simplified assembly and installation. Operating temperatures  $-20\text{ }^{\circ}\text{C}$  to  $+60\text{ }^{\circ}\text{C}$ .

### Features

#### X70X



Beam width 70 mm  
Conveyor speed 90 m/min  
Maximum chain tension 500 N  
Maximum item width 140 mm

#### X85X/Y



Beam width 85 mm  
Conveyor speed 120 m/min  
Maximum chain tension 1250 N  
Maximum item width 200 mm  
Chain washer unit  
CIP unit

#### X180X/Y - X300X/Y



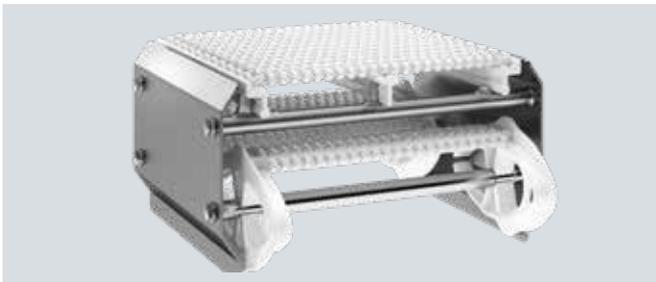
Beam width 180/300 mm  
Conveyor speed 60 m/min  
Maximum chain tension 1250 N  
Maximum item width 400mm

## Modular belt conveyor system

The modular wide belt conveyors adhere to EHEDG and 3-A design guidelines to fit into demanding primary and secondary packaging applications. The conveyor addresses essential aspects such as quick and easy cleaning, gentle handling of products, operator safety, long service life, and low cost of ownership. FlexLink also offers a 3-A qualified conveyor. For more information, please get in touch with your local FlexLink office.

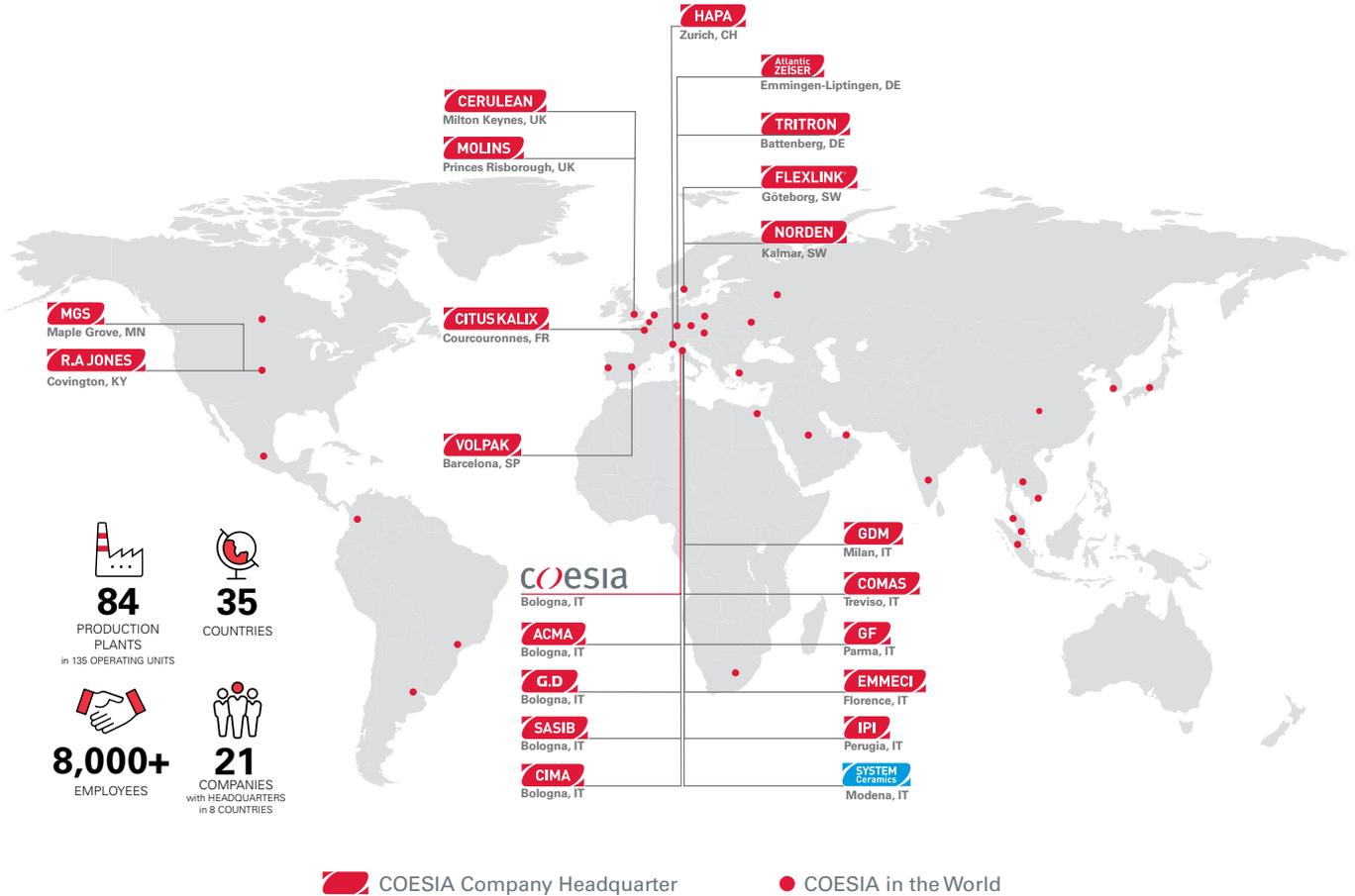
### Features

#### WLX



Belt width 152/203/374/526/678 mm  
Conveyor speed 40 m/min  
Maximum belt tension 1200 N  
Maximum item width 400mm  
Chain lifter unit  
3-A qualified conveyor

# COESIA GROUP IN THE WORLD



**84**  
 PRODUCTION PLANTS  
 in 135 OPERATING UNITS

**35**  
 COUNTRIES

**8,000+**  
 EMPLOYEES

**21**  
 COMPANIES  
 with HEADQUARTERS  
 in 8 COUNTRIES

# coesia

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- **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.

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[info@flexlink.com](mailto:info@flexlink.com)  
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