



Bringing good things ahead



*“Whatever your logistic needs,  
we can offer a conveyor solution.  
Our flexible systems – primary  
and secondary packaging –  
for single and multi packages,  
can transport your goods from  
one end to another.”*



*Fredriksons conveyor systems handle goods with a width from 20 mm up to 600 mm.*

# Conveyor Solutions for your material handling needs

Fredriksons offers a single source of integrated conveyor solutions for a variety of industries. We provide complete solutions, from development to production, automation solutions, software, installation and service. Our product portfolio consists of package conveyors, vertical conveyors, accumulators, elevators and supporting equipment for transporting primary and secondary goods.

Our customers are leading companies worldwide who need advanced, cost-effective packaging equipment and reliable deliveries.

- Cost effective conveyor systems that give years of reliable service
- Robust and expandable construction
- Easy to install, clean and maintain
- High speed, up to 120 metres per minute
- Few standard components minimises spare parts
- Patented solutions

**Reduced energy consumption with at least 18%\***

**Reduced number of spare parts by 40%\***

**99% line efficiency.**

**Reduced assembly time by 20%\***

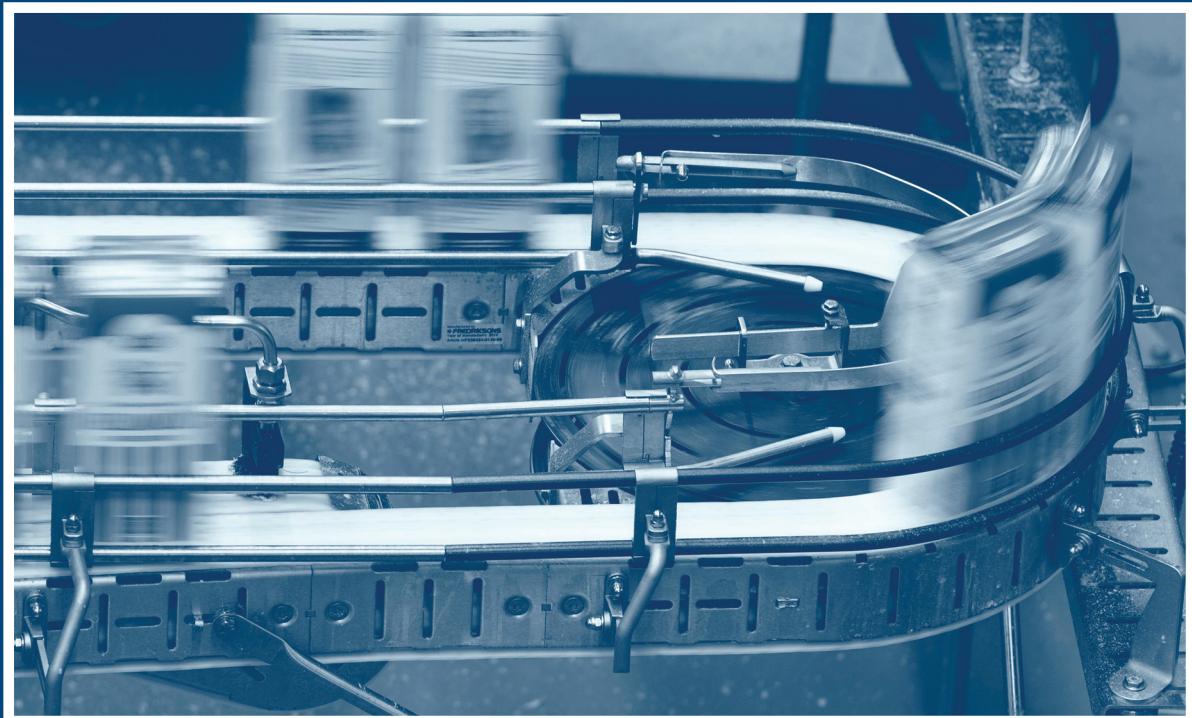
**Chain life cycle at least 30 000 km.**

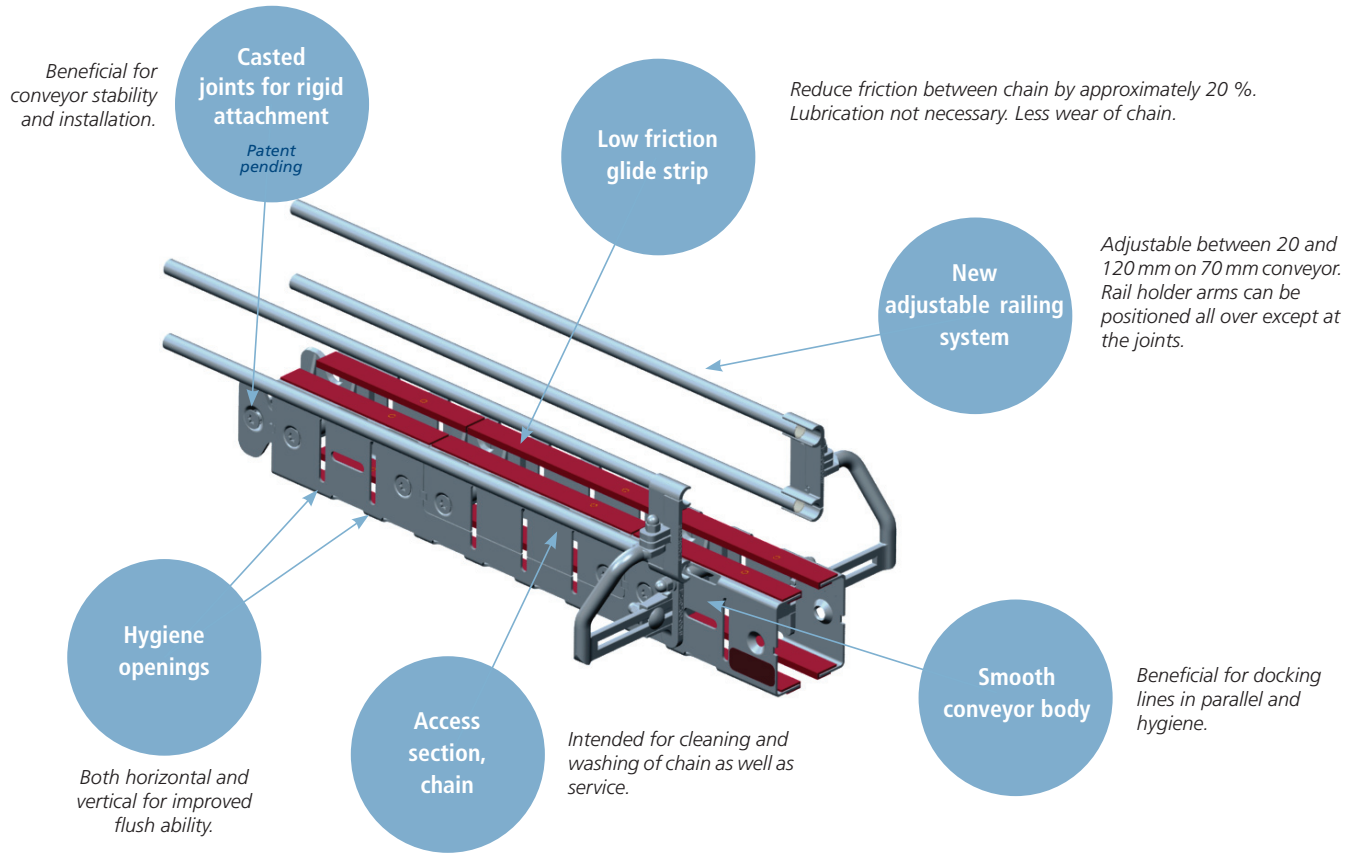
*\*Compared to DRS.*



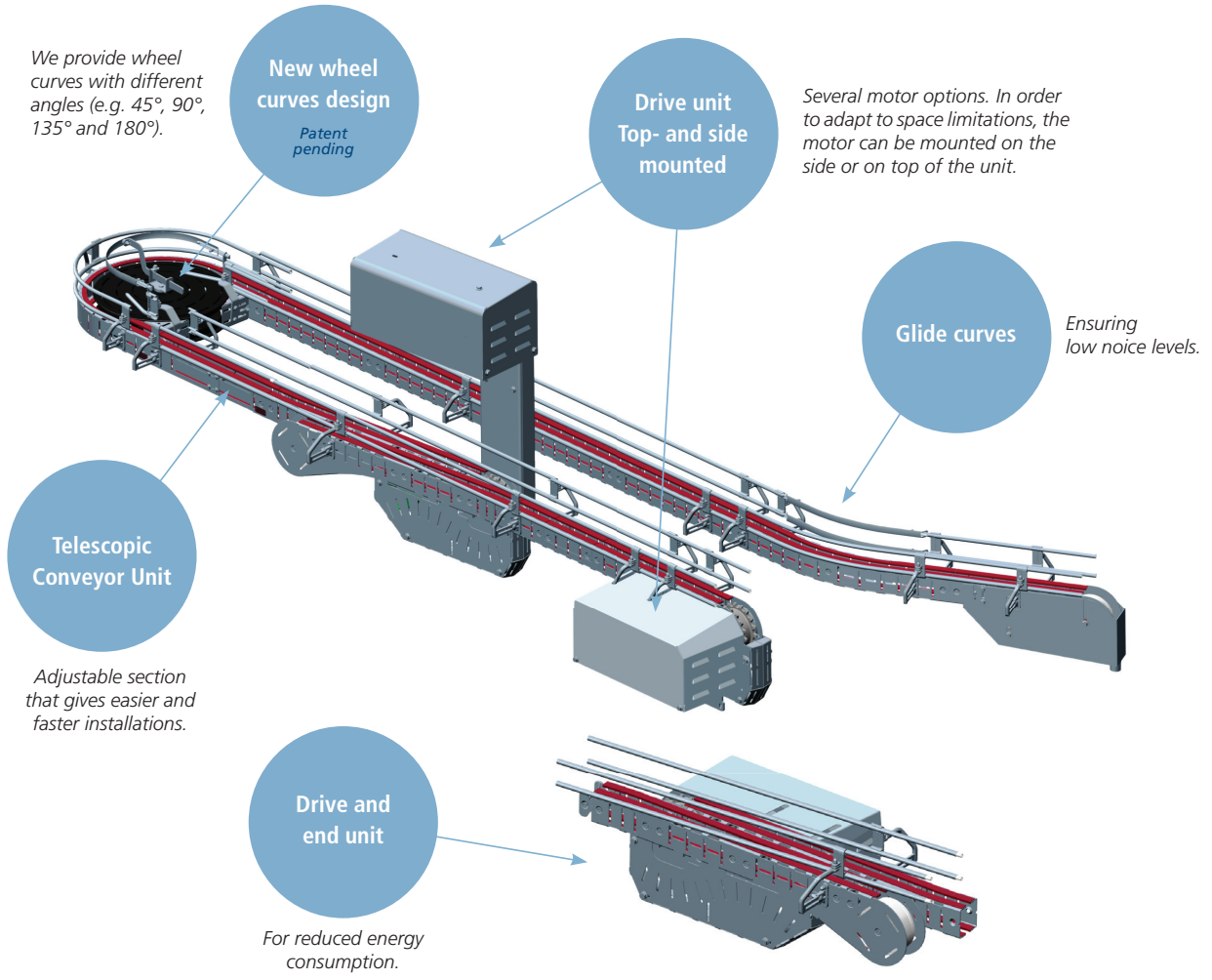
# Easy customisation with Fredriksons' modular system

Our system has a robust construction and, thanks to the high modularity, it can easily be adjusted to specific needs. If your business grows, the systems can be expanded to meet new requirements. The modular construction also makes it easy and quick to install our conveyor solutions accurately. We have reduced the footprint of our machines to optimise layout design.





## A complete range of parts and accessories

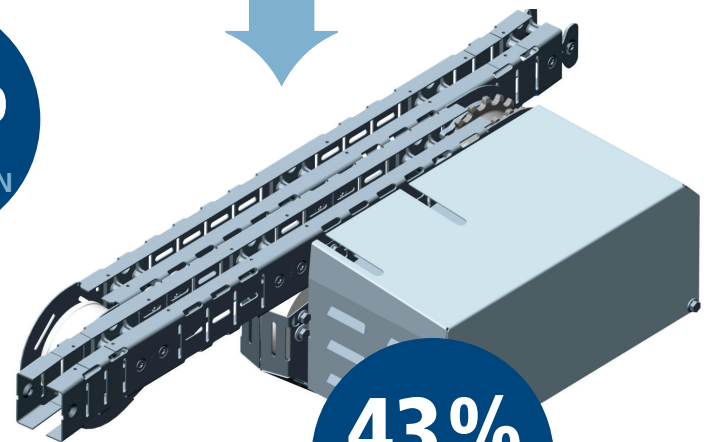
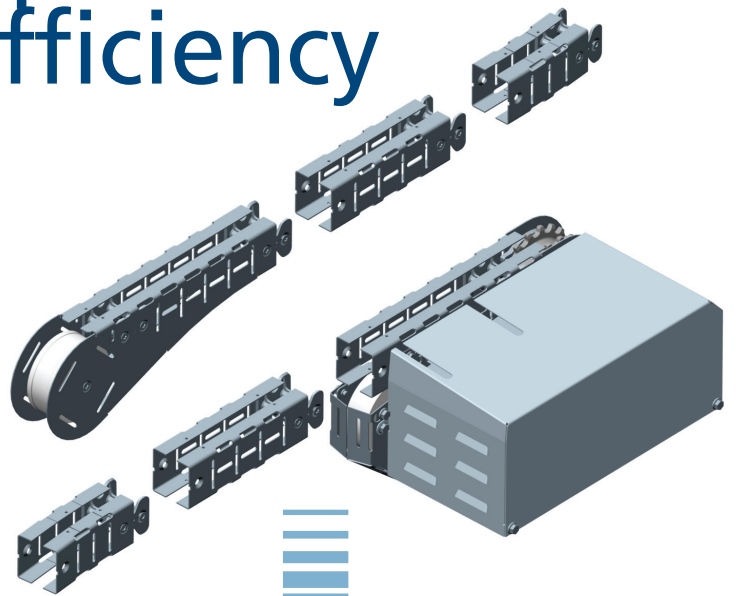


# Few standard parts ensures cost efficiency

Fredriksons' conveyor solutions are built on standardised parts. The investments made in the CS70 conveyor system have reduced the number of parts with over 40 % compared to the FC70 system. This gives fewer article numbers and more efficient handling of parts.

## FASTER INSTALLATION

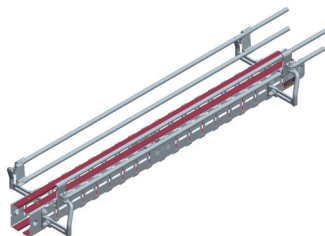
The modular construction makes it easy and 20 % quicker to install our conveyor solutions accurately, compared to the FC70 system. We have reduced the footprint of our machines to optimise layout design.



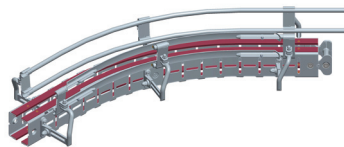
**20%**  
FASTER  
INSTALLATION

**43%**  
PART  
REDUCTION

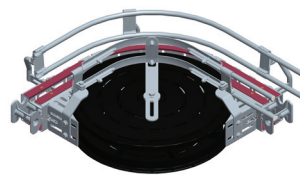
## EXAMPLES OF STANDARD PRODUCTS



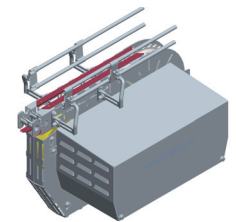
STRAIGHT CONVEYOR



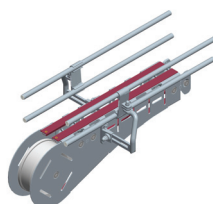
GLIDE CURVE



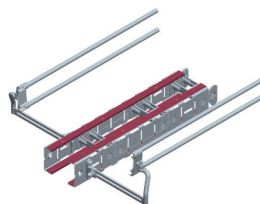
WHEEL CURVE



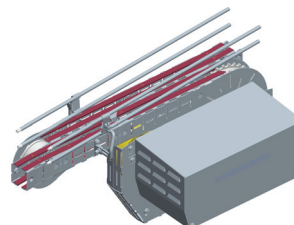
DRIVE UNIT



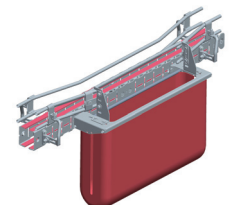
END UNIT



CHAIN REMOVAL UNIT



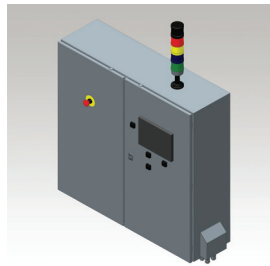
DRIVE END UNIT



PACKAGE TRAP

## Automation Platform/General Conveyor Control system

Fredriksons' generic conveyor control system provides a standardised structure for both hardware and software.

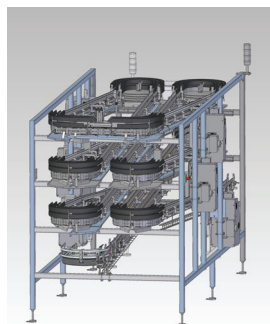


### ADVANTAGES:

- User friendly for operator
- Standardized Human Machine Interface (HMI) design
- A common interface for all communication, ethernet/IP
- Possibility to troubleshoot machines on distance
- Reduced cable wiring
- Ability to speak to Line controllers

## Accumulation Unit

The accumulator consists of basic components of the Fredriksons Conveyor System 70. Standard length is 50 metres. The total accumulation time depends on the conveyor length and the capacity of the filling machine.

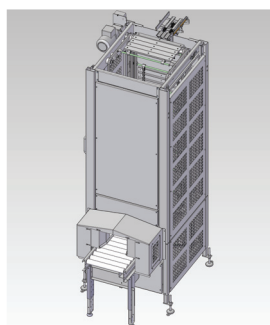


### ADVANTAGES:

- Increased line performance
- The accumulator is customised according to customers demands
- Plug and play

## Elevator Conveyor Unit

A flexible, stainless steel elevator for Fredriksons Conveyor System 114 that uses limited floor space. The elevator offers the opportunity to move packages up to 6 metres vertically. It handles 20 kg on each shelf and a total load of 200 kg.

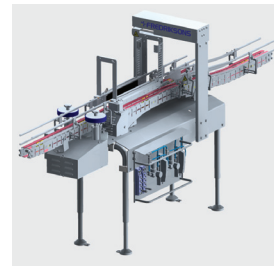


### ADVANTAGES:

- Automatic push in/push out function
- Stainless steel
- Smooth handling of products
- Suitable for filling and packaging lines

## Divider

Fredriksons' Divider provide automatically packet flows from one to two streams. Percentage distribution and batch sizes are adjustable. The gate design allows switching without emptying the gate before stroke.

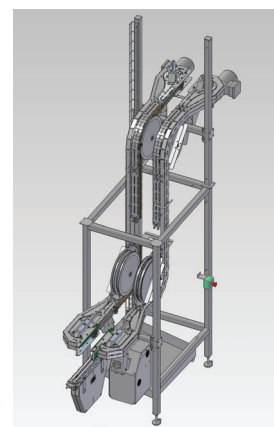


### ADVANTAGES:

- Compact
- Easy to clean
- Modular
- Easy to adjust
- Price
- Energy efficient
- Low maintenance
- Durable

## Vertical Conveyor Unit

Our vertical conveyor uses two conveyor tracks facing each other to provide fast and gentle transport – horizontally as well as vertically. Vertical conveyors are suitable for high production rates and can be designed to save floor space or to create pallet loader paths. The chain has flexible rubber grips to carry products without damaging them, e.g. glass bottles, plastic bottles or carton packages.

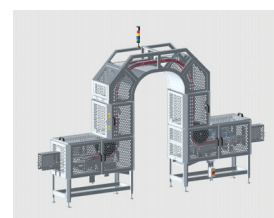


### ADVANTAGES:

- Fast, high-capacity vertical transport
- Smooth handling of products
- Suitable for filling and packaging lines
- Lightweight, space-saving system

## Portal

Fredriksons' Portal provide openings and walkways for operators and goods transports. It can be added along new or existing conveyor lines to make work areas in and around conveyors easily accessible.



### ADVANTAGES:

- Time-saving
- Easy to clean
- Modular
- Cost efficient
- Safe passage
- Low maintenance
- Durable
- Quick installations

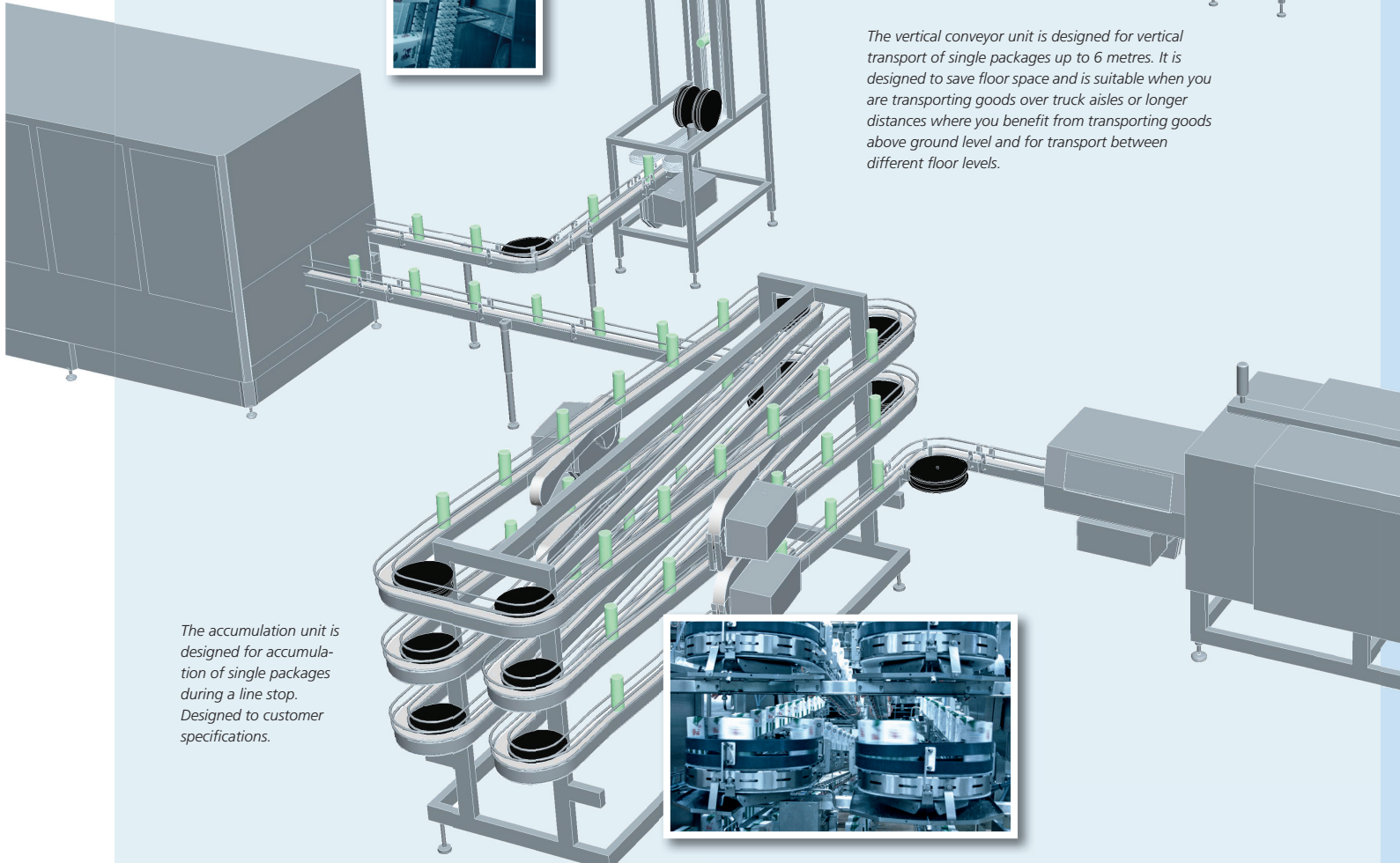
# Transporting goods from one er

## PRIMARY PACKAGING

The conveyor systems are able to transport products at speeds of up to 120 metres per minute with 10 kg pressure.



The vertical conveyor unit is designed for vertical transport of single packages up to 6 metres. It is designed to save floor space and is suitable when you are transporting goods over truck aisles or longer distances where you benefit from transporting goods above ground level and for transport between different floor levels.



The accumulation unit is designed for accumulation of single packages during a line stop. Designed to customer specifications.



### FREDRIKSONS CONVEYOR SYSTEM CS70

System CS70 is a modular conveyor system suitable for food and other goods. The system is designed for fast and easy installation. The conveyors are based on a stainless conveyor beam with low friction and self-lubricated sliding strips guiding a plastic multi-flexing chain. Products travel directly on the conveyor.

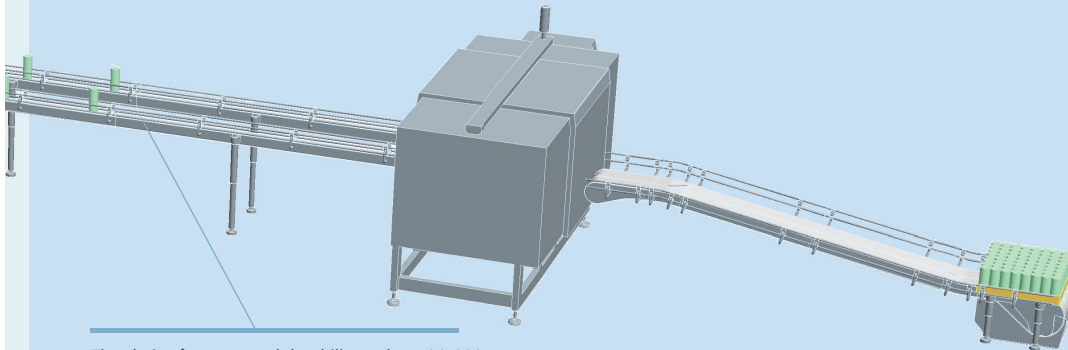
The system permits horizontal as well as vertical transport direction.

Chain width	70 mm
Goods width	20–120 mm
Sound level	Below 70 dB(A) at 63 m/min
Max load kg/metres	20 kg
Operating temperature	-18 – +50° C
Max speed	120 m/min

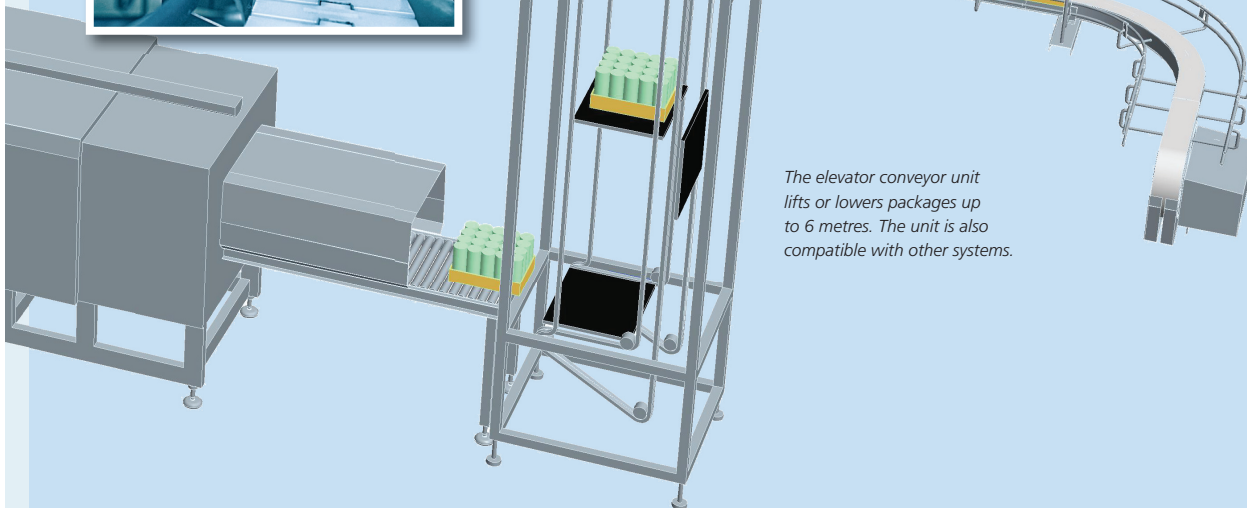


# end to another

## SECONDARY PACKAGING



The chains feature good durability, at least 30,000 km, which reduces maintenance costs. Individual chain links can easily be replaced as necessary. Increased hygienic parameters due to flushthrough possibilities.



The elevator conveyor unit lifts or lowers packages up to 6 metres. The unit is also compatible with other systems.

### FREDRIKSONS CONVEYOR SYSTEM CS 114 AND CS 300

System CS114 and CS300 are modular conveyor systems for mid-range loads, suitable for various goods. The conveyors are based on a stainless conveyor beam with low friction sliding strips guiding a plastic multi-flexing chain. The system permits

horizontal as well as vertical transportation direction.

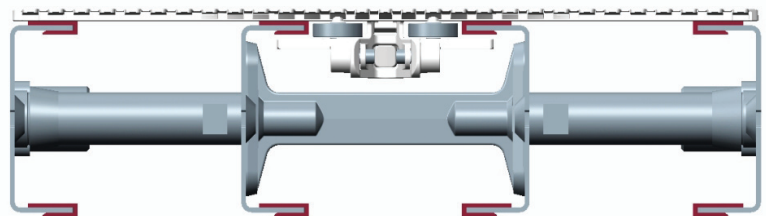
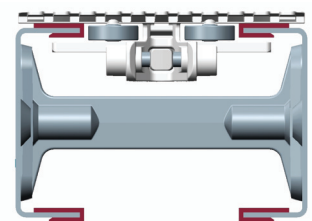
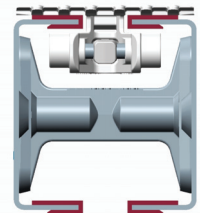
The CS300 system provides in addition the opportunity to transport goods in varying sizes, without adjustments.

	<b>System CS 114</b>	<b>System CS 300</b>
Chain width .....	114 mm	300 mm
Goods width .....	70 – 400 mm	300 – 600 mm
Sound level .....	Below 70 dB(A) at 40 m/min	Below 70 dB(A) at 40 m/min
Max load kg/metres .....	50 kg	50 kg
Operating temperature .....	-18 – +50° C	-18 – +50° C
Max speed .....	ca 60 m/min	ca 50 m/min

# Chains

Fredriksons' chains meet the most demanding standards. They are designed to reduce product life cycle costs and increase efficiency throughout the system.

- Three conveyor widths – 70,114 and 300 mm
- Modular design with universal conveyor side plate and glide strip
- Two versions of spacer
- Same link design on all chain enables same drive wheel for all three conveyor widths
- Different combinations allow goods between 20 and 600 mm width



**FT70**

- Width 70 mm in material POM alt PBT.
- Developed according to safety regulations BS EN619 standard.
- Recommended max workload at 20°C is 1000N.
- Recommended surrounding temperature is -18 – +50°C.

**RTF 114**

- Width 114 mm in material POM.
- Friction surface in material TPE.
- Recommended max workload at 20°C is 2000N.
- Recommended surrounding temperature is -18 – +50°C.

**RTF70**

- Width 70 mm in material POM.
- Friction surface in material TPE.
- Recommended max workload at 20°C is 1000N.
- Recommended surrounding temperature is -18 – +50°C.

**KLDH50**

- Width 54 mm in material POM.
- Recommended max workload at 20°C is 2000N.
- Recommended surrounding temperature is -18 – +50°C.

**RT114**

- Width 114 mm in material POM.
- According to safety regulations BS EN619 standard.
- Recommended max workload at 20°C is 2000N.
- Recommended surrounding temperature is -18 – +50°C.

**FT54**

- Width 54 mm in material POM.
- Recommended max workload at 20°C is 2000N.
- Recommended surrounding temperature is -18 – +50°C.

# An experienced partner

50 years of experience in developing and manufacturing conveyor system has provided us with the knowledge and experience required to create solutions – from details to complete systems.

We offer construction, assist in layout planning, manufacture the products and we can help you with installation, project management, and commissioning of the line.

We produce conveyors in our factories in Sweden and China. All our products fulfill legal demands and are produced in accordance with ISO 9001:2008, ISO 14001:2004, ISO 13485:2003 and ISO 3834-2.

## MARKET DRIVEN APPROACH

We work in close cooperation with our customers to drive innovations and continuous improvements of our conveyor solutions.

The demand for Fredriksons' conveyor systems has been strong since the launch of our new range and the company has signed important orders for delivery.





## Fredriksons is a part of the XANO Group

XANO consists of niche engineering companies in Sweden, Norway, Estonia, Finland, Poland and China. These companies provide manufacturing and development services for industrial products and automation equipment. They operate within well-defined niches and possess a high level of expertise within their respective technical fields. The Group's operation is divided into three business units: Industrial Solutions, Precision Technology and Rotational Moulding.

**Industrial Solutions** – contract assignments within sheet metal processing, in-house-developed conveyor systems and packaging machinery, hand wheels, handles and adjustable feet for furniture and shop fittings.

**Precision Technology** – component and system manufacture through advanced cutting machining of metal and plastic for the production of components with demanding requirements for quality and precision.

**Rotational Moulding** – manufacturing of plastic products in the form of components and systems through rotational moulding.



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