



Conveyor Solutions



*“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.

An experienced partner

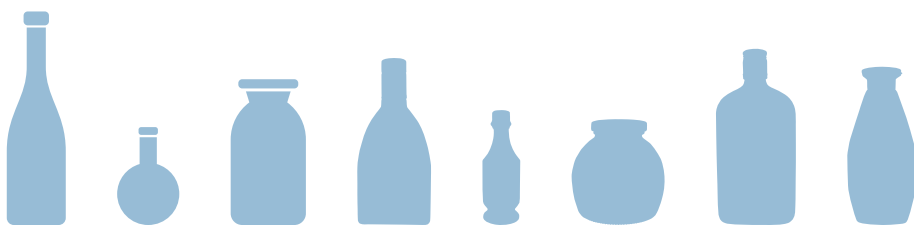
50 years of experience in developing and manufacturing conveyor system has provided us with the knowledge and experience required to create solutions – from details to complete systems.

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.

Cost and environmental efficiency

We are constantly working to further reduce energy consumption, to maximize flexibility, installation and to meet even higher demands on hygiene in tough environments. One example is our conveyors that are based on a stainless steel body with low friction sliding strips.



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.

We use standard components throughout the conveyor system, minimizing the number of spare parts needed and, last but not least, the cost for the system!

Unlike standard conveyors, Fredriksons' solutions are easy to clean and maintain. The sliding strips are self-lubricated to reduce friction and to avoid the need of a separate lubrication system between chain and sliding strip.

The conveyors are capable of transporting goods with a speed of up to 120 m/min. The components used also guarantee low-noise levels throughout the system.

Individual components are available to create special functions and make the system complete.

Fredriksons is quality certified according to ISO 9001, ISO 14001, ISO 13485, ISO 3834-2 and EN 15085-2/CL2.



PRIMARY PACKAGING

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 body 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

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.

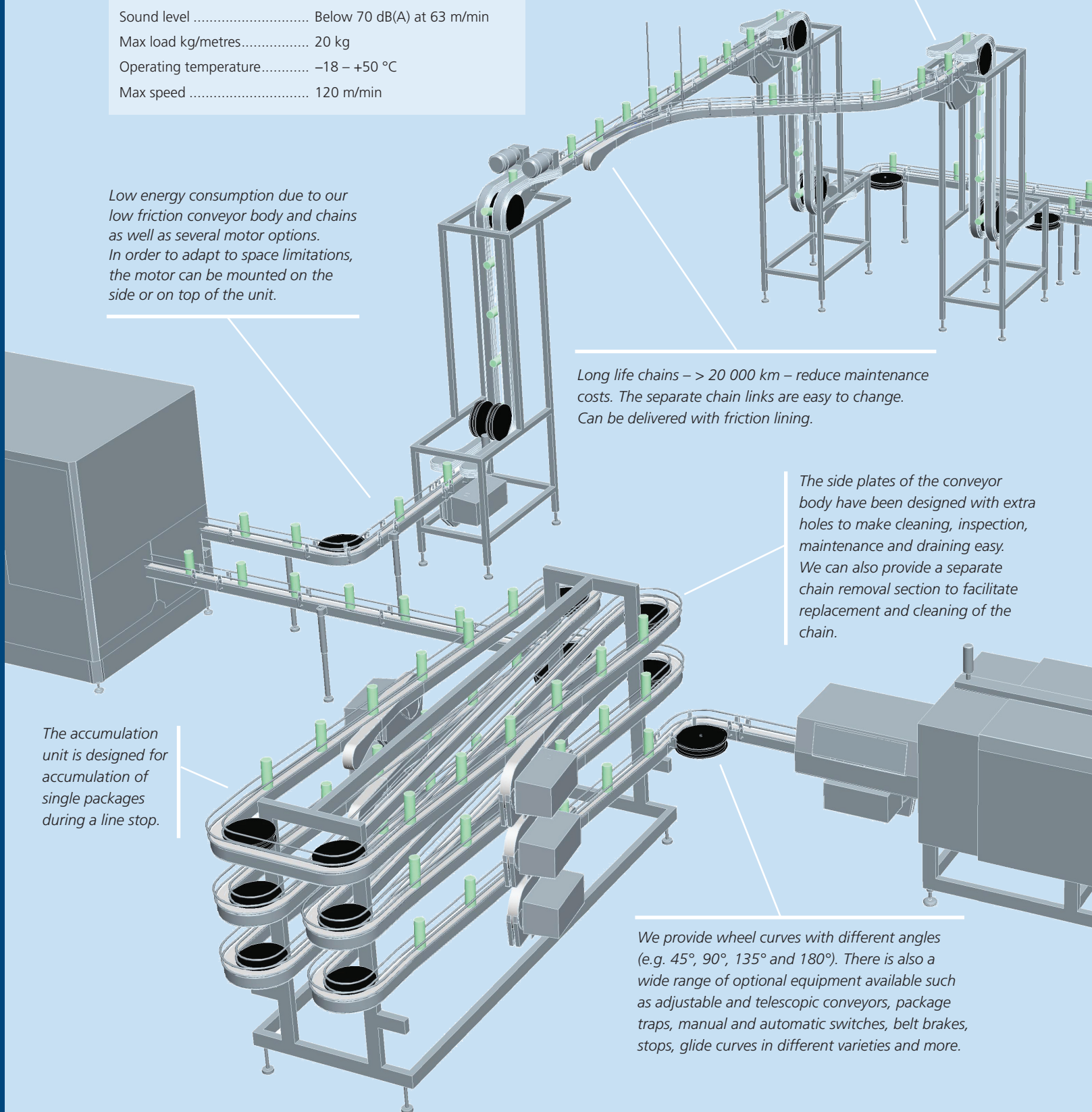
Low energy consumption due to our low friction conveyor body and chains as well as several motor options. In order to adapt to space limitations, the motor can be mounted on the side or on top of the unit.

Long life chains – > 20 000 km – reduce maintenance costs. The separate chain links are easy to change. Can be delivered with friction lining.

The side plates of the conveyor body have been designed with extra holes to make cleaning, inspection, maintenance and draining easy. We can also provide a separate chain removal section to facilitate replacement and cleaning of the chain.

The accumulation unit is designed for accumulation of single packages during a line stop.

We provide wheel curves with different angles (e.g. 45°, 90°, 135° and 180°). There is also a wide range of optional equipment available such as adjustable and telescopic conveyors, package traps, manual and automatic switches, belt brakes, stops, glide curves in different varieties and more.



SECONDARY PACKAGING

FREDRIKSONS CONVEYOR SYSTEM CS 114 AND CS300

System CS114 and CS300 are modular conveyor systems for mid-range loads, suitable for various goods. The conveyors are based on a stainless conveyor body 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.

	System CS 114	System CS 300
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

The rail width is adjustable from 20-120 mm.

Hygienic, robust and extendable legs. We also deliver fastening systems for mounting on walls and ceilings.

System CS 300

Self-lubricated sliding strips.

Glide curves are available in 0-15°, 15°, 30°, 45° and 90°.

System CS 114

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



Accumulation unit



Primary packaging



Vertical conveyor unit



Secondary packaging

Conveyor parts

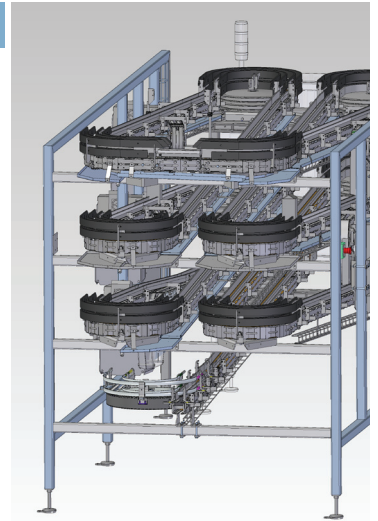
Accumulation Unit (ACU)

The accumulator consists of basic components of the Fredriksons Conveyor System CS70. Standard length is 50 metres. The total accumulation time depends on the conveyor length and the capacity of the filling machine.

Operating temperature $-18 - +50^{\circ}\text{C}$
Chain width 70 mm
Option Integrated cleaning system

ADVANTAGES:

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



Vertical Conveyor Unit (VCU)

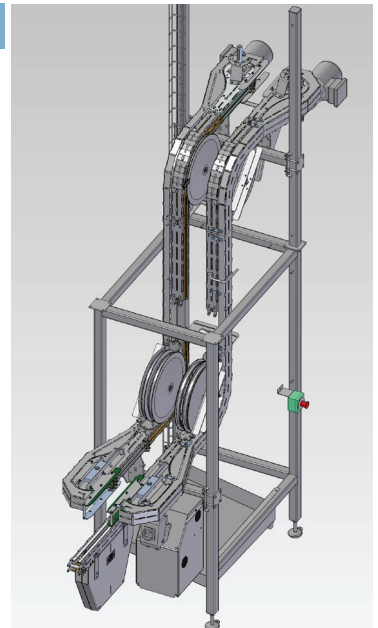
Our vertical conveyor uses two conveyor tracks facing each other to provide fast and gentle transport – horizontally as well as vertically. Vertical conveyors are suitable for high production rates and can be designed to save floor space or to create pallet loader paths. The chain has flexible rubber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

Min height of in/out-feed 600 mm
Max level difference 6000 mm
Adjustable package width 400 mm
Operating temperature $-18 - +50^{\circ}\text{C}$
Max conveyor speed 100 m/minute
Chain width 70 mm or 114 mm

The specification is determined by the type of goods to be transported.

ADVANTAGES:

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



Elevator Conveyor Unit (ECU)

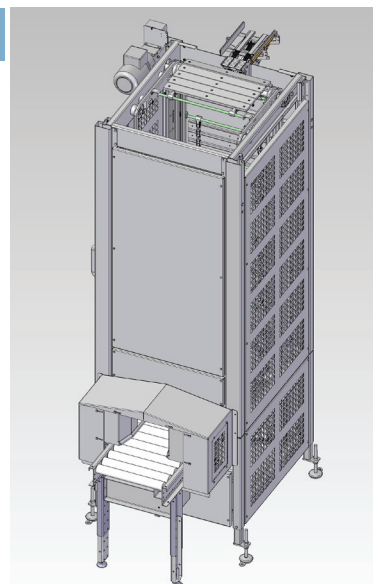
A flexible, stainless steel elevator for Fredriksons Conveyor System CS114 that uses limited floor space. The elevator offers the opportunity to move packages up to 6 metres vertically. It handles 20 kg on each shelf and a total load of 200 kg.

Max goods dimension.. 600 x 400 x 400 mm l x w x h
Max products/minute... 35 pcs
Max speed 25 m/min

The specification is determined by the type of goods to be transported.

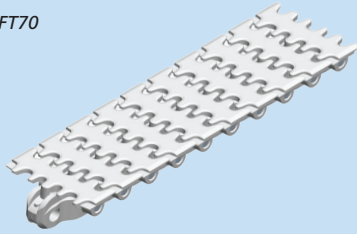
ADVANTAGES:

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



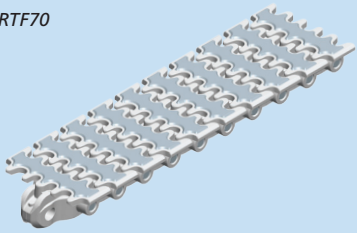
Chains

FT70



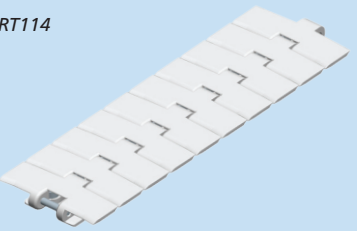
- Width 70 mm in material POM alt PBT.
- According to safety regulations BS EN619 standard.
- Recommended max workload at 20 °C is 1000 N.
- Recommended surrounding temperature is -18 – +50 °C.

RTF70



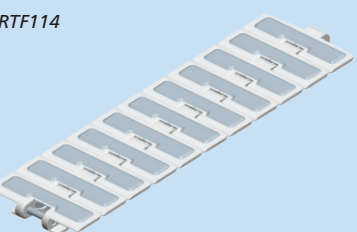
- Width 70 mm in material POM.
- Friction surface in material TPE.
- Recommended max workload at 20 °C is 1000 N.
- Recommended surrounding temperature is -18 – +50 °C.

RT114



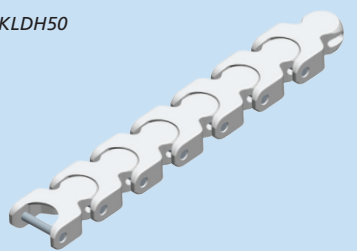
- Width 114 mm in material POM.
- According to safety regulations BS EN619 standard.
- Recommended max workload at 20 °C is 2000 N.
- Recommended surrounding temperature is -18 – +50 °C.

RTF114



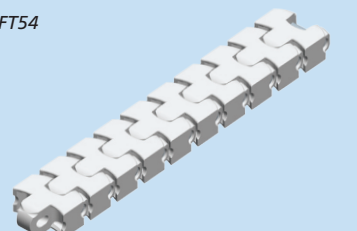
- Width 114 mm in material POM.
- Friction surface in material TPE.
- Recommended max workload at 20 °C is 2000 N.
- Recommended surrounding temperature is -18 – +50 °C.

KLDH50



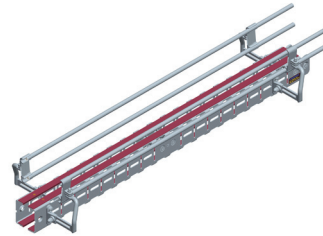
- Width 54 mm in material POM.
- Recommended max workload at 20 °C is 2000 N.
- Recommended surrounding temperature is -18 – +50 °C.

FT54

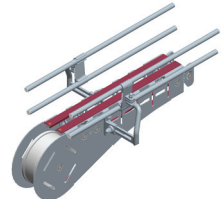


- Width 54 mm in material POM.
- Recommended max workload at 20 °C is 2000 N.
- Recommended surrounding temperature is -18 – +50 °C.

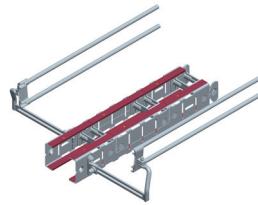
Examples of optional products



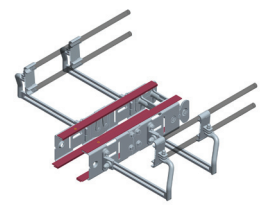
STRAIGHT CONVEYOR



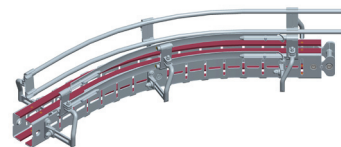
END UNIT



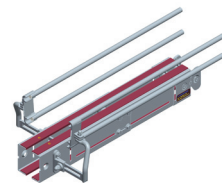
CHAIN REMOVAL UNIT



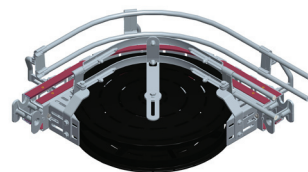
VERTICAL CONVEYOR $\pm 10^\circ$



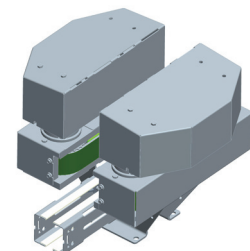
GLIDE CURVE



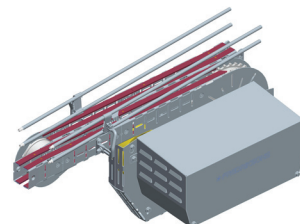
TELESCOPIC CONVEYOR



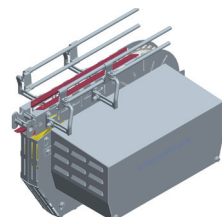
WHEEL CURVE



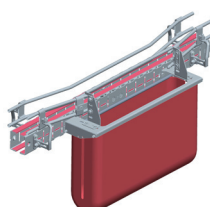
BELT BRAKE



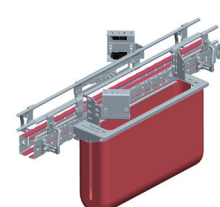
DRIVE END UNIT



DRIVE UNIT



PACKAGE TRAP



BLOW OFF UNIT

Read more about our chains at www.conveyorsolutions.com



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 four business units: Industrial Solutions, Precision Components, 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 Components component manufacture in larger runs with a high proportion of sales to the automotive industry.

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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