



Carryline®

SINCE 1963

MODULAR
CHAIN CONVEYOR SYSTEMS

HORIZONTAL

AND

VERTICAL

MATERIAL HANDLING

A photograph of a factory conveyor belt system. The system consists of multiple levels of tracks supported by a metal frame. In the foreground, a white conveyor belt with a textured surface moves a single orange box of Pickwick milk. Above it, a curved track carries a line of several more orange boxes. Further up, another track carries pink boxes. The background shows a large industrial building with windows. The text "MOVING THINGS YOUR WAY since 1963" is overlaid in blue on the center of the image.

**MOVING THINGS
YOUR WAY**
since **1963**

INTRODUCTION

CARRYLINE is an automated, highly flexible and space efficient conveyor system for almost any type of product transportation in many sectors.

SINCE 1963, Carryline has carried many different types of products. With this experience we have a complete and proven system suitable for most types of products.

Carryline's standard system is available in **ALUMINUM** and **STAINLESS STEEL** which consists of a few basic components with a range of different variations to suit any need for material handling. Carryline can deliver components or complete conveyor systems. The units are assembled with standard tools which makes the installation and any reconfiguration to the production line quick and **COST EFFECTIVE**.

Carryline manufactures virtually all **COMPONENTS IN-HOUSE** in Kungälv. This results in short lead times, **HIGH QUALITY** and a large level of stock to meet customer demand. This also gives Carryline the unique possibility to manufacture and build a conveyor system with very specific needs for our customers.

Carryline was founded in **1963** by **ULF HENREKSON**, who previously had worked as a technical consultant providing support for material handling. He was **THE FIRST PERSON** to come up with the idea of replacing steel conveyors with aluminum beam and replaceable plastic chain for gentle product handling.

After **MORE THAN 50 YEARS** of manufacturing conveyor systems and related products we know how important it is to deliver **HIGH QUALITY!**

We trust our product.

References from **SATISFIED CUSTOMERS** are your security!



CARRYLINE

MODULAR, PLUG & PLAY



CONVEYORS IN BAKERY INDUSTRY



TRANSPORTATION OF PRIMARY PACKAGES OR PRODUCTS

MODULAR, PLUG & PLAY

Carryline chain conveyor systems are based on a concept whereby a number of components can be **COMBINED AMONG THEMSELVES AND WITH THIRD-PARTY SYSTEMS**. The system is available in five widths starting from 38 mm up to 220 mm and has a large variety of chain configurations. The Carryline chain conveyor systems offer such a wide range of options that the transportation of many kinds of packages is possible. We have the in house capability to test your product on our conveyors to find the right conveyor that is suitable for your product.



PLUG & PLAY

The Carryline system is user friendly and **FLEXIBLE**. The components are designed according to the **PLUG & PLAY** principle - simple installation and quick, effortless configuration, which makes this a system that can be put into service very quickly. You make adjustments yourself, expand your systems, or even build completely new conveyor systems. You can also connect the system or its components to your **EXISTING PRODUCTION LINE**. Your Carryline system effortlessly changes to meet the needs of your production line. Products are easily moved **HORIZONTALLY OR VERTICALLY** to and from your machines or hand picking stations.



CARRYLINE CONSTRUCTION MATERIALS



CARRYLINE IN ALUMINUM



CARRYLINE IN STAINLESS STEEL

CONSTRUCTION MATERIALS

ALUMINUM

The aluminum profiles are **ANODIZED** for corrosion protection. Lubrication of the chains is unnecessary. This makes aluminum chain conveyor systems suitable for high-demand environments such as in the pharmaceutical industry.

STAINLESS STEEL

The profiles of stainless steel are mainly designed for the food industry with its specific and strict hygiene requirements, or for the application of conveyor systems in **WET ENVIRONMENTS**.



PLASTIC CHAIN

Carryline plastic chain is made of **HIGHEST QUALITY PLASTIC MATERIAL** approved for **FOOD CONTACT**. All chains and plastic parts are produced in **OUR OWN PLASTIC MOLDING FACTORY** in Kungälv, Sweden. We have full control over the quality.



CARRYLINE

AN OVERVIEW

WHAT CAN YOU EXPECT FROM CARRYLINE

- »» Extremely flexible and easy to use
- »» **MODULAR** chain conveyor system, available as a system or in separate components
- »» **PLUG & PLAY**: quickly brought into service thanks to simple installation and configuration
- »» Easy to adapt to a changing environment
- »» Can be **COMBINED** with **THIRD-PARTY SYSTEMS**
- »» Different types of chains for rapid transition to transportation of any other product
- »» Large selection of wheel/plain curves for horizontal and vertical transport
- »» Speeds between 5 and 50 meters per minute. Higher/lower speeds on request
- »» Small number of motors ensures minimal energy consumption
- »» **EASY MAINTENANCE**, thanks to parts that can be interchanged quickly
- »» Spare parts available from stock

YOU CAN EXPECT MORE

- >>> Customised solutions: The Carryline program is designed to quickly build solutions with standard components. However, there's more. Our experience has shown that many situations arise where the standard is not the solution. Is this true for you? Then we will create a **CUSTOMISED SOLUTION** for you.
- >>> Maintenance: Carryline systems are extremely easy to maintain and can run for years with minimal maintenance. However, for the guaranteed availability and safety of your system, we recommend preventive maintenance on a regular basis. We are happy to work out a solution with you so that you can keep your system in optimal condition. If you wish, you can **ENTER INTO** a maintenance contract.

With more than **50 YEARS'** experience
in **PRODUCT TRANSPORTATION**,
we are **SURE** of what we **DO**.



CARRYLINE

HORIZONTAL TRANSPORTATION



STAINLESS STEEL CONVEYORS IN DAIRY INDUSTRY



FLEXIBLE SYSTEM

HELICAL CURVE

TWISTER

HORIZONTAL TRANSPORTATION

For the transportation of your products over long horizontal distances we use our standard chains. Even with conveyor systems with multiple bends, only one drive is sufficient. As a result, the number of **TRANSITIONS** is **MINIMAL**. Furthermore, the conveyor systems in the standard design are adapted to absorb a **SMALL DEGREE** of **ACCUMULATION**. This means small interruptions in production will not cause any problems.

CARRYLINE PRODUCT TWISTER

The Carryline Twist conveyors are designed to rotate packages in a proper way to **90** or **180** degrees, either clockwise or counter-clockwise. The dual chain arrangement gently transitions (twists) the product while conveying it forward. The Conveyor is normally used to rotate bags, cartons or bottles which cannot be turned by other methods. The twist conveyor is available in **MULTIPLE CHAIN WIDTHS**.

Basic facts;

- >>> Minimum twist length (90°) for chain width 83 mm, 140 mm and 220 mm is 2 meters
- >>> Minimum twist length (90°) for chain width 62 mm is 2.5 meters
- >>> Transport of multiple size products without the need for changeover
- >>> Can be built with curves and straight sections before and after the twist



HELICAL CURVE

A lot of benefits resulted from the new spiral chain. One is the possibility to twist the chain up to 14° when used in helical curves. This minimizes the usage of vertical curves, provides a smaller footprint and less incline / decline angle.



CARRYLINE VERTICAL TRANSPORTATION



SPIRALS MAKE CONTINUOUS VERTICAL TRANSPORTATION POSSIBLE



SPIRALS ARE AVAILABLE IN MANY CONFIGURATIONS

VERTICAL TRANSPORTATION

With a vertical conveyor, you can overcome a height difference with the **MINIMUM USE** of your valuable floor space. This means you can move products between different floor levels. Our Carryline product program offers solutions for all your vertical transportation needs.

OUR SOLUTIONS

CARRYLINE SPIRAL CONVEYOR

This allows **CONTINUOUS VERTICAL TRANSPORTATION** of your products. The Spiral Conveyors require a minimal foot print area, less than one square meter. The Spiral Conveyor is also available in a version containing multiple conveyor systems within a single base frame. They are available in different widths, in aluminum, stainless steel or a combination of both. Carryline spirals are available from **400MM RADIUS** and larger.

SIDE-GRIP CONVEYOR SYSTEMS

Our side-grip conveyor systems clamp your products from the side and move them up or down as desired. We also utilize side-grip conveyors for the **CREATION OF PASSAGES**. These up and over side grip units create passages which allow your employees easy access to work cell equipment.



CARRYLINE GENERAL INFORMATION

OTHER FEATURES OF THE CARRYLINE CONVEYOR SYSTEMS ARE:

- >>> Noise lower than 70 dB(A) at speeds below 50 meters per minute, depending on the configuration
- >>> Maximum conveyor system length of 15 to 20 meters, depending on the configuration
- >>> Can be used in temperatures between -20°C to +60°C, higher/lower temperature on request
- >>> Speeds between 5 to 50 meters per minute, higher/lower speeds on request

SEVERAL CHAIN TYPES AVAILABLE, SUCH AS:

- >>> Friction chain, for example, for variations in conveying heights
- >>> Low friction chain
- >>> Heat-resistant chain
- >>> Anti-static chain, in combination with anti-static slide rail
- >>> Flocked chain, especially for fragile products/ packages
- >>> Chain with carriers, available in different versions
- >>> Chain with clamp, available in different versions

THE DIFFERENT CHAIN WIDTHS AND TYPES

provide a solution for the majority of all requirements, and likely for your situation too.

Special chain colors are available. Please contact us for pricing.

CONTACT



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