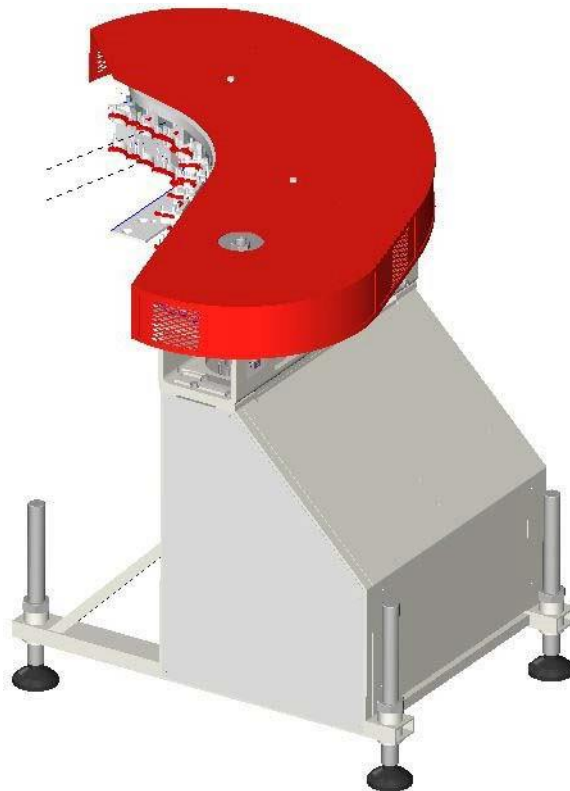


# Technical News Bulletin

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**XTransfer**

- A precision, self-standing mechanism that transfers glass containers.
- Robust and reliable extended operation.
- Quick-change fingers for reduced setup and maintenance time.

## Introduction

The Bucher Emhart X-Transfer is a precision, self-standing mechanism that transfers glass containers from a primary conveyor to a secondary conveyor in a uniform, continuous path.

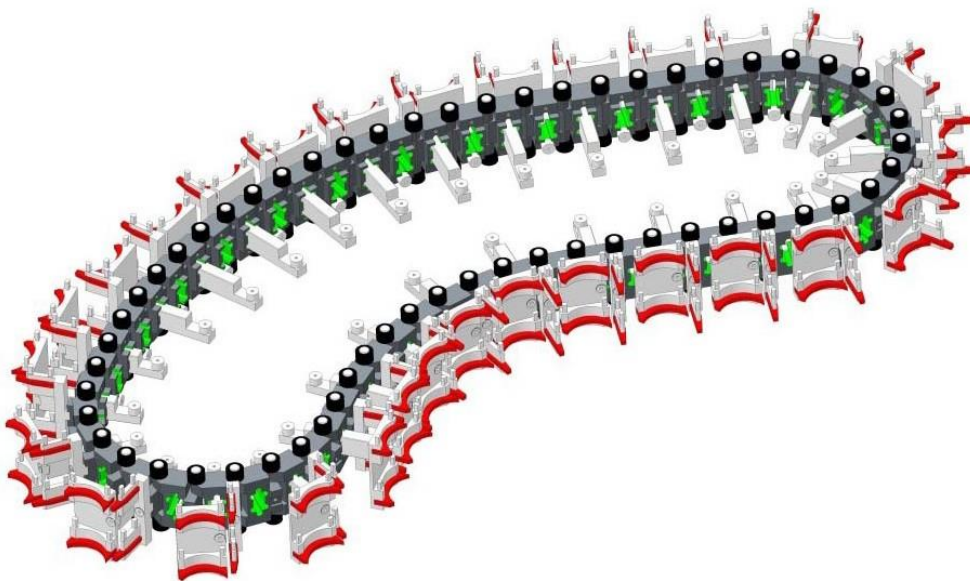
## Description

The X-Transfer consists of a drive base standing on the factory floor and a chain assembly attached on top, transferring containers to a secondary conveyor.

The drive system assembly comprises a servomotor controlled by the FlexIS control system. All parts except the top plate can be reassembled to handle either left- or right-hand sweeps.

The chain assembly see **Figure 1** X-Transfer Chain Assembly consists of 60 cast links connected by pins with needle roller cam followers that ride in the tracks of the plate's assemblies. All links are identical with a pitch of 1.875 inch (47,625mm).

The fingers consist of two parts, a stationary part mounted to the chain link and a translating part mounted to a rectangular pusher bar that rides in the link. The fingers and pusher bars can be assembled to any of the links to obtain the pocket center distance of 1.875" (47,625mm).



**Figure 1** X-Transfer Chain Assembly

## Specific features

The X-Transfer is designed to be very robust and reliable. Job change is also simple since the cam track can be opened. Fingers can be positioned to new spacing or exchanged using only one hand.



The chain guide allows for high-speed application. It stabilizes the chain and minimizes vibrations when the chain is moving from the sprocket into the cam track.



## Specification

| Description                                   |   |
|---|---|
| Ware transfer height range                    | 940 to 1194 mm (37 to 47")                              |
| Mechanism weight                              | 121 kg  |
| Footprint (mm)                                | 737mm x 991mm (29" x 39")                               |
| Maximum Operating Speed:                      | 600 BPM (Bottles Per Minute) with 3-3/4" finger spacing |
| Power Consumption:                            | See INSTALLATION REQUIREMENT p/n 600-20010              |
| Noise Level:                                  | <75 dB (A)  |
| Lubrication Requirement:                      | Connection to Centralized Lubrication System            |
| Motor Cooling Air Pressure & Air Consumption: | See IS/AIS MACHINE UTILITY SPECIFICATION p/n 200-1760   |

## Application

The X-Transfer is available for all IS-machines.

| Finger spacing (inch) | Number of pockets | Maximum ware diameter (mm) |
|-----------------------|-------------------|----------------------------|
| 3-3/4"                | 30                | 65                         |
| 5-5/8"                | 20                | 112                        |
| 7-1/2"                | 15                | 160                        |
| 9-3/8"                | 12                | 190                        |

## Documentation

### Drawings:

- 478-40-00 Ware transfer master drawing
- 478-40-02 With FlexIS servo, left-hand
- 478-40-04 With FlexIS servo, right-hand

### Manual:

- H53001

## Features / Benefits

| Features                                   | Benefits                               |
|--|--|
| Double gear and double cam track for chain | Very stable and precise operation      |
| Quick-change fingers                       | Reduced setup and maintenance time     |
| Solid steel links                          | Robust and reliable extended operation |
| Unique pushing finger design               | Reliable container separation          |
| Exchangeable finger liners                 | Adopts to any shape of container       |