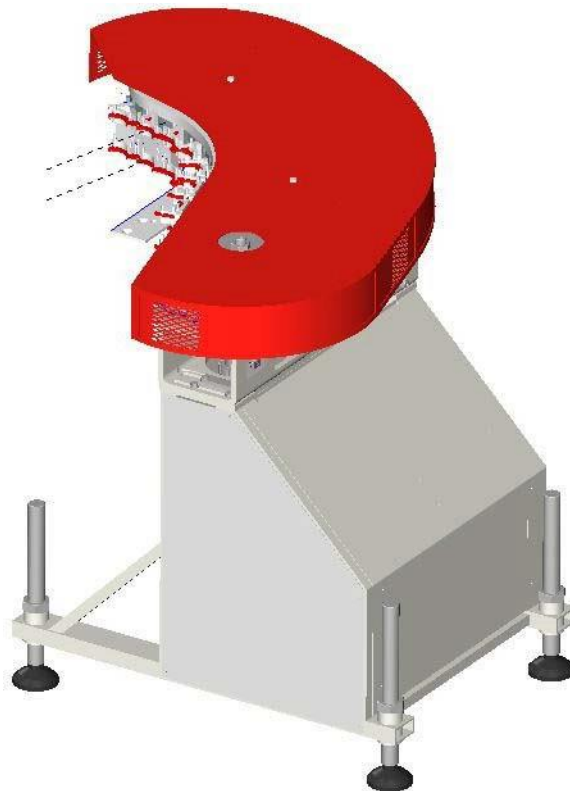


Technical News Bulletin

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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).

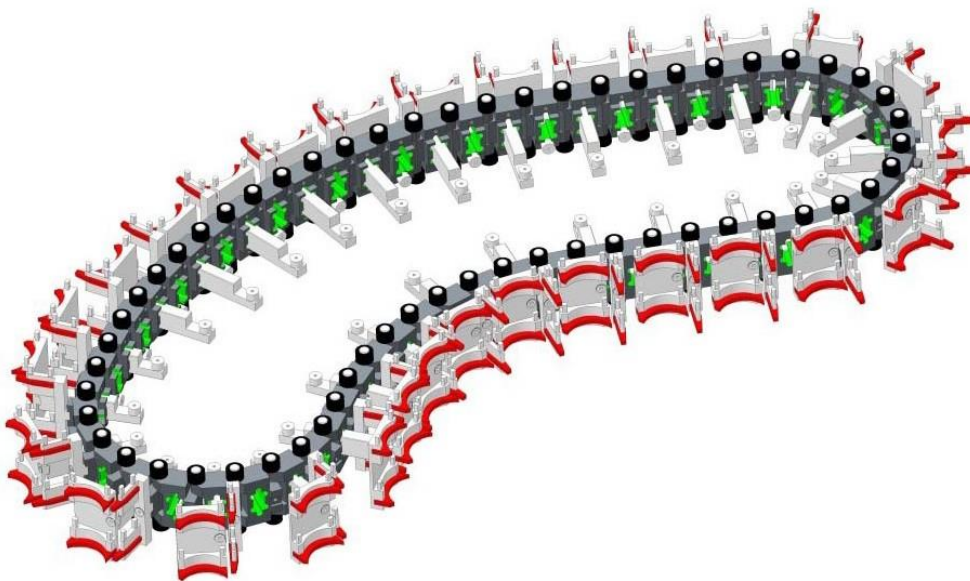


Figure 1 X-Transfer Chain Assembly

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