

STRATEC Synchron 30/50

Linear Sorting-, Distribution-
and Rejection System
for a guaranteed
standing Rejection



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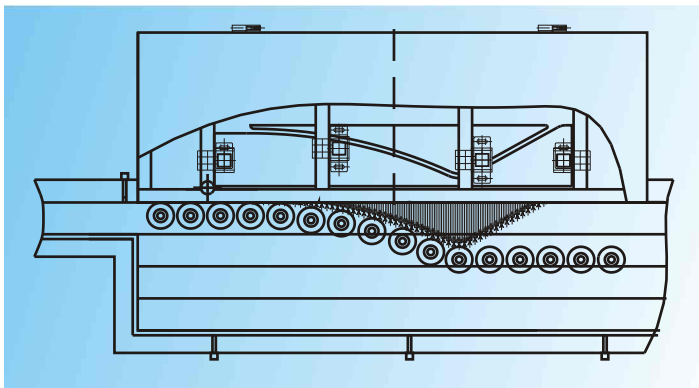
General Introduction

STRATEC SYNCHRON 30/50 is a universal distributing and rejection system for the guaranteed standing distribution and rejection of containers, independent of the shape and material of the container to be rejected.

The rejection is carried out by synchronised running elements, that shove the container in a guaranteed standing position onto a parallel running rejection conveyor.

Due to this principle, the system works independent of the shape of the container, thus allowing the application in filling lines with containers of different shape, diameter, height and weight without any mechanical adaptations of the rejection system.

Technical Principle



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The container to be rejected is shoved by shoving elements onto a parallel running rejection conveyor. Depending on the size of the container, a certain amount of shoving elements are released. These elements are following the container in a guided-forced rejection curve and are shoving the container smoothly onto the parallel running rejection conveyor. Once the rejection is complete, the shoving elements are guided by the rejection curve to their original position.

The synchronised running between rejection unit and conveyor is guaranteed by either mechanical or electronic connection of the systems.

The system is subject to very little abrasion and wear, as only the shoving elements are in contact with the container during rejection and these are insensitive against broken bottles and back pressure.

Application

STRATEC SYNCHRON 30/50 is a sorting, distributing and rejecting system, effective in sorting out containers of different shapes in a guaranteed standing position.

The system is recommended for the use in the following areas:

- the sniffer
 - the empty bottle inspector
 - the sorting of bottles
 - the filler management system
- as well as for
- multi-lane distribution
 - defined division of the bottle-stream

Inspection Features

- Guaranteed standing distribution/rejection of containers of different shapes and materials

- Automatic adaption to different types of containers
- Hand over to the rejection conveyor without changing the direction or speed of the container
- Automatic synchronisation of varying

conveyor speeds by mechanical or electronic coupling of the systems.

- Smooth and safe rejection of the containers by expansive pushing
- Noiseless rejection of the containers
- Compact and solid construction
- Extremely resistant to mechanical abrasion
- Simple to operate from the control unit
- Simple to operate from the control unit
- Selfdiagnosis and error messages in plain text
- Safety disconnection and protection in case of overcharging

Technical Date

Mains supply:	_____ 380 V / 50 Hz
Power consumption:	_____ < 5 kVA
Max. prod. speed:	_____ 30000 / 50000 B/h
Max. conveyor speed:	_____ 1.1 / 1,5 m/s
Dim. of rejection unit(30)(LxW):	_____ 1000 x 530 mm
Dim. of rejection unit(50)(LxW):	_____ 1570 x 530 mm
Weight of rejection unit:	_____ 200 / 300 kg
Dim. of control unit:	_____ 760 x 300 x 760 mm
Weight of control unit:	_____ 70 kg
Max. shoving distance	_____ 120 / 130 mm

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