



BBULL SNAKE

Dynamic High Speed Multi-Segment System
for Guaranteed
Standing Rejection and Sorting

PRODUCT SPECIFICATION

General

BULL SNAKE is a dynamic high-speed rejection system for guaranteed standing distribution of containers. The system can process containers of all conditions, formats and weights.

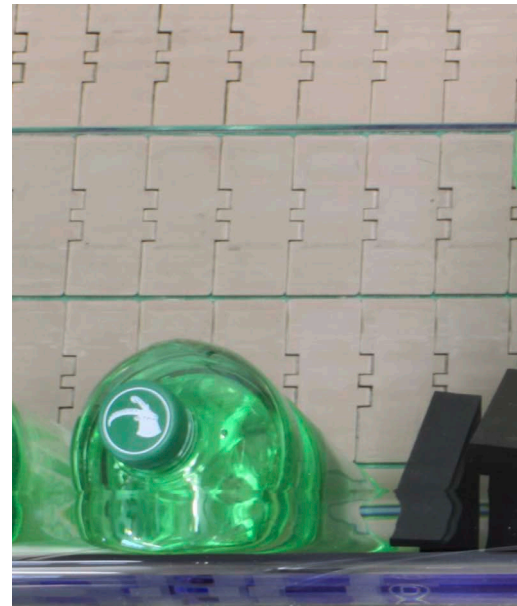
The movement of the containers as well as the horizontal displacement happens synchronised with the conveyor speed. For distribution the system releases single elements from a permanent moving segmental-chain. The segments stay in contact with the containers until the final position. The permanent speed synchronisation is guaranteed by the latest servo technology.

Minimum maintenance costs, low-noise production and high speed performances have been considered during construction.

The **BBULL SNAKE** can be combined with different detection systems and superior logistic controls.

System Features

- guaranteed standing rejection of containers with different design and weight
- dynamic synchronisation with the conveyor by servo technology
- **no deceleration of the containers during rejection**
- **minimum distance between the containers required**
- simple operation by a 4 x 20 characters display
- integrated signal tracking and distribution control
- retrofittings are possible
- connection also foreign systems is possible
- **highest performances**
- **electronic torque control**
- **no manual adaptation (height adjustment) to different container formats**
- low maintenance cost
- low noise production

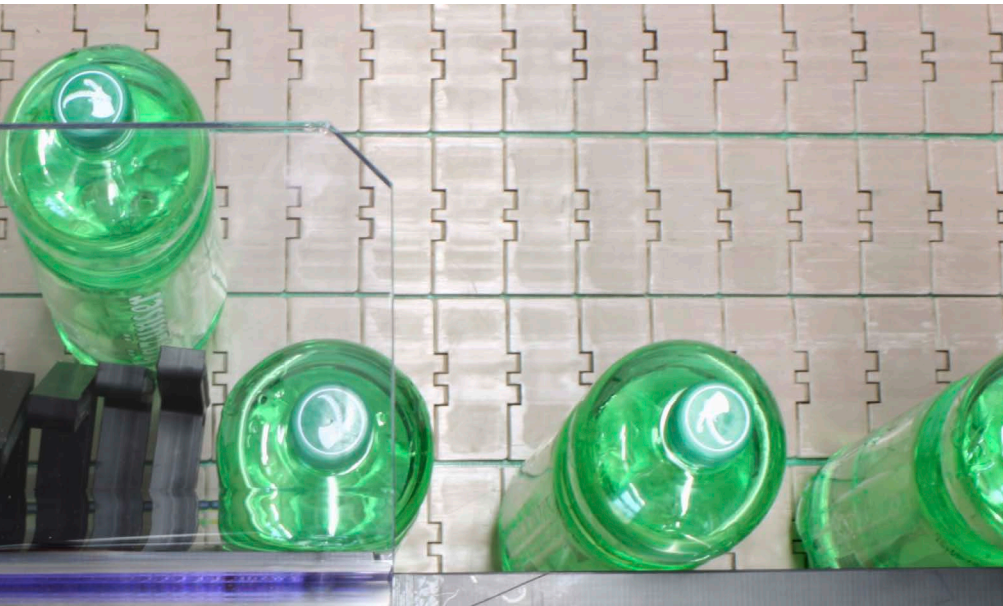


Top view: Distribution of single container

Application

- guaranteed standing rejection and distribution of bottles, cans and plastic containers
- **suitable for instable containers and containers with a high centre of gravity**
- **for sorting and distribution of empty returnable PET bottles**
- for installation after the sniffer or EBI
- **for contour bottles**
- **sampling of bottles and cans with highest performances**
- recommended for a large variety of containers / frequent container changes





ainers

Technical Principle

When the container to be rejected passes the acknowledge trigger, a number of sorting segments will be released depending on the format. These segments move the container in synchronised speed to the parallel running conveyor belt.

When the container has reached the final position the segments return to their basic position. The segmental chain is equipped with ball bearing

to guarantee a smooth and wearless operation. To synchronise the system with the conveyor the configuration includes an encoder, that provides the signal direct to the servo controller. The encoder signals are also use for tracking the bottle positions.

BULL[®]
TECHNOLOGY

Technical Data

Max. machine speed: _____ 80.000 cph

Max. conveyor speed: _____ 1,8 m/s

Power supply: _____ 3/N/PE
400 V/50 Hz/10 A
+/-10%

Dimensions (lxwxh)
in mm: _____ 1700x515x340
+ conveyor

Weight: _____ 420 kg

Ambient temperature
range: _____ 5-45 °C

Air supply: _____ >3 bar

Interface: _____ CAN / TCP / IP

Inputs: _____ 2 shift register inputs

Enclosure: _____ IP65

Max. moving distance: _____ 125 mm

Application

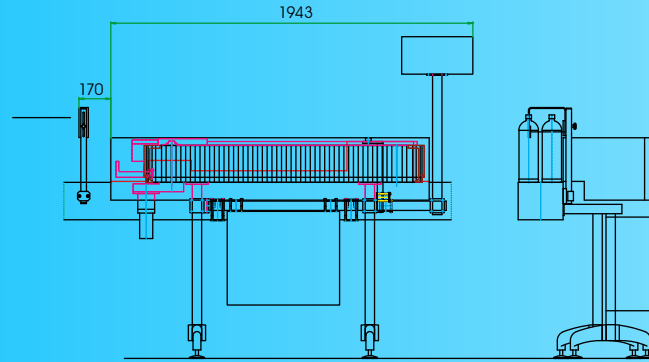
Continuous distribution
of bottles from
1 to 2 lines



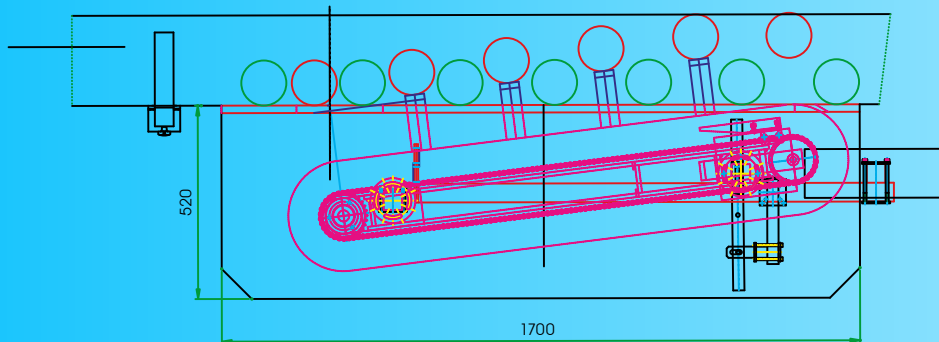
DIMENSIONS



Side view



Top view



STRATEC CONTROL-SYSTEMS GmbH • Ankerstrasse 73 • 75203 Königsbach-Stein
Telefon (+49) 72 32- 40 06- 0 • Telefax (+49) 72 32- 40 06- 25
www.bbull.com

BBULL **CENTRO** **STRATEC** **SYMPLEX**
INFORMATIK & INDUSTRIE KONTROLLSYSTEME CONTROL-SYSTEMS VISION SYSTEMS
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