



BBULL BRUSH OFF SERVO

Servo-Driven Sorting and Distribution System
for Line Speeds up to 90.000 c/h

PRODUCT SPECIFICATION

Application

BBULL BRUSH OFF SERVO is an intelligent rejection and distribution system for a guaranteed standing rejection of the container.

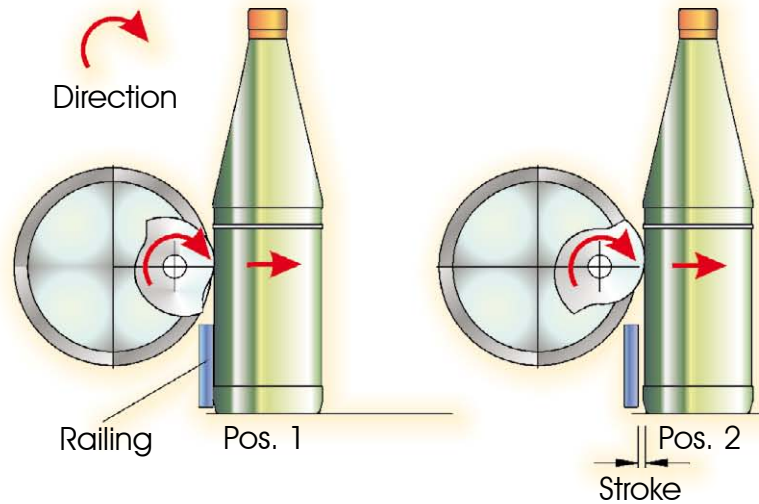
BBULL BRUSH OFF SERVO provides effective rejection for all round glass packages at all conveyor speeds. In areas of high performance, **BBULL BRUSH OFF SERVO** has been well proven in numerous applications showing low wear and tear at high functional stability.

The system is recommended in combination with

- the empty bottle inspector
- the sorting of bottles
- the filler management system
- fill level inspection
- label inspection
- leakage inspection

as well as for

- multi-lane distribution with minimum required space
- a defined division of the bottle stream



Operation Mode

The Brush Off System uses a rotating displacement body that was designed according to scientific knowledge. The rotational cam relates a well-defined speed to the container to be sorted out. The displacement distance is equal independent if the containers are full or empty or if the conveyor speed is high or low.

When the current sorting is finalized the system is immediately ready for the next operation. Therefore the containers can be sorted and distributed at highest speeds and without gaps between the containers.

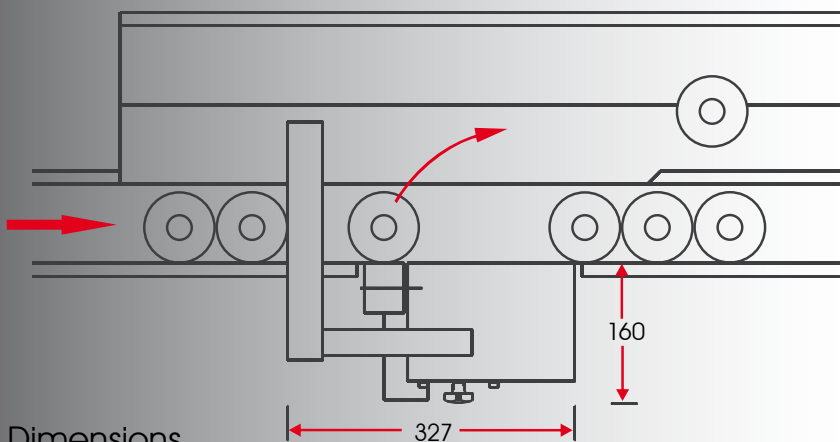
The **BBULL BRUSH OFF SERVO** is using regulated servo drives that define acceleration and positioning of the distribution cam at any time. For easy and comfortable operation and set-up the **BOS 90** includes a LC-display and CAN bus interface.

Most Important Features

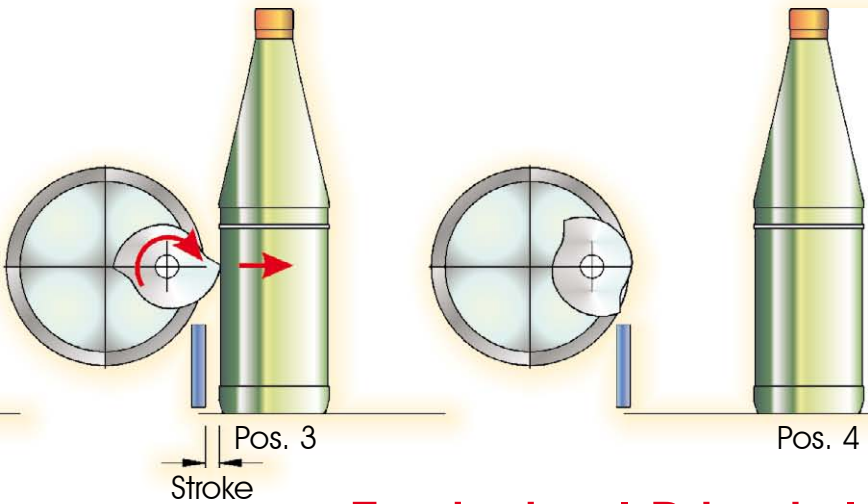
- guaranteed standing rejection and distribution of glass bottles and steel cans
- synchronisation of varying conveyor speeds
- exact regulation of displacement power
- defined distance of displacement independent of the container's fill level
- reliable rejection and distribution even if there is no gap between the containers
- very low wear and tear
- high performance stability
- integrated self-diagnosis

Application BOS

The system is suitable for distribution and sorting tasks in high-performance applications. Due to the compact and robust design it is especially qualified for high-speed multi-lane applications.

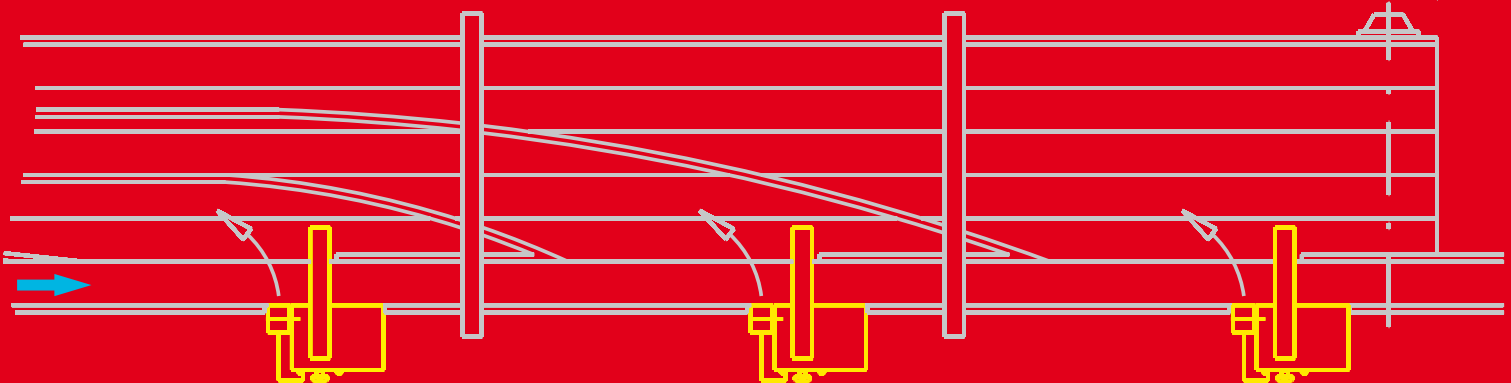
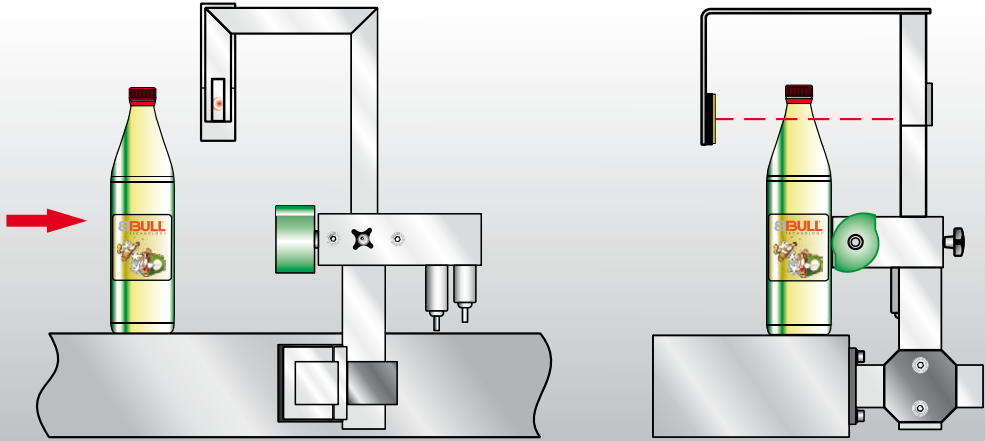


Dimensions



Technical Principle

- TEACH IN procedure for signal interface
- compact design for minimum space requirement
- CAN bus for connection to existing systems (BOS 90)
- LC-display for comfortable operation and set-up (BOS 90)



Product Overview



Maximum performance in containers per hour	Sorting and Distribution								
	Sampling/Pulk			Single rejection (standing)			Fault rejection (non-standing)		
	Glass	Cans	PET	Glass	Cans	PET	Glass	Cans	PET
BRUSH OFF SERVO	80.000	80.000		90.000	90.000				
BRUSH OFF Electronic									
BINPUSH								120.000	120.000
SOFTPUSH				60.000			60.000		
SAMPUSH		100.000							
TRANSLINER Pneumatic	30.000	30.000		40.000	40.000*				
FLEX	60.000		50.000	70.000	70.000				
SNAKE	60.000	60.000	60.000	70.000	70.000	70.000			
SYNCHRON	60.000	50.000	50.000						

*Minimum 20 mm residual liquid
Higher performance on request

Technical Data

Max. output in units per hour: _____max. 90.000	Control unit measurements
Continuous output in units	(LxWxD) in millimetre: _____250x410x1750
per hour: _____max. 80.000	Control unit weight in kilogramme: _____19
Max. conveyor speed units	Rejecter measurements
per second: _____2,0	(LxWxD) in millimetre: _____290x350x400
Max. weight of the package	Rejecter weight in kilogramme: _____8
in kg: _____2,0	Main power supply in V/AC/hertz: _____230/50

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