

CENTRO FLEX/ FLEX 160

Sorting and Distributing System for
Bottles, Cans and PET
up to 50.000 c./h.



BBULL
INFORMATIK & INDUSTRIE
ELEKTRONIK

CENTRO
KONTROLLSYSTEME

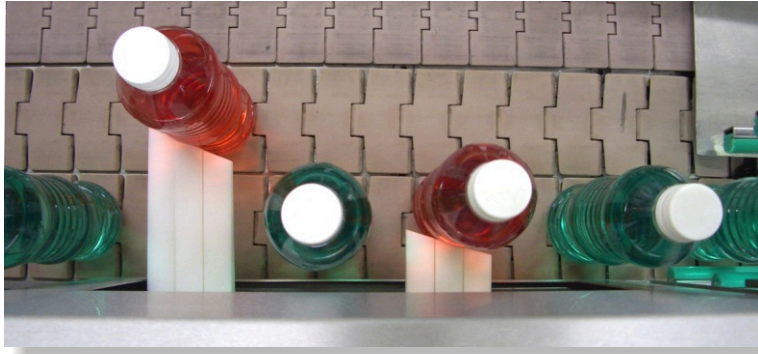
STRATEC
CONTROL-SYSTEMS

SYMPLEX
VISION SYSTEMS

General Introduction

CENTRO FLEX is an all-purpose sorting and distributing system for a standing displacement of the containers to be rejected.

The standing rejection of bottles and cans at full conveyor speed is a special challenge for the distribution technology.



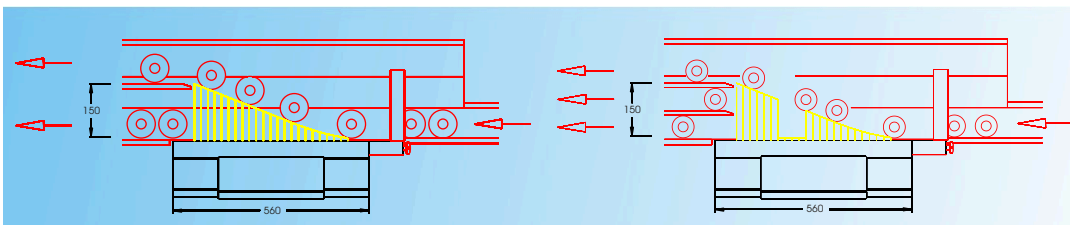
Especially multiple rejections for sampling purposes and rejections of PET bottles without dropping are either hardly possible with common systems or require a lot of space and tremendous expenses.

CENTRO FLEX offers particularly for these applications a space and cost saving alternative to the already known rejection technologies.

Important Features

- standing rejection and distribution
- suitable for multiple distribution and sampling
- high operational liability not depending on type or form of the container
- missing caps and underfilled bottles can be rejected
- few space requirement
- low purchase cost
- automatic adaption to different conveyor speeds
- height adjustment (spindle) for the adaption to different sizes

Distribution 1 : 3



Mode of Operation

Single rejection segments are activated chronologically generating a curve outward for the detected bottle to the rejection conveyor. In front and behind the container the segments can be set back to neutral position and thus don't affect the container transport. For mul-

multiple rejections the segments stay in active position, so that the bottles can be displaced to the conveyor along the curve outward.

The system structure is dedicated especially to sorting and distri-

buting PET bottles, where other systems have difficulties with uncontrolled rejection or bottles toppling down caused by the weaker stability of PET bottles compared to glass bottles.

Technical Data

System performance FLEX/FLEX 160 in containers per hour:	50.000
Conveyor speed FLEX/FLEX 160 max. in metre per second:	1,2/1,3
Power supply in volt/herz:	230/50
Air supply in bar:	6
Rejection unit FLEX measurements (WxHxD) in millimetre:	520x750x170
Rejection unit FLEX weight in kilogramme:	8
Rejection unit FLEX 160 measurements (WxHxD) in millimetre:	660x750x170
Rejection unit FLEX 160 weight in kilogramme:	10,7
Control unit measurements (WxHxD) in millimetre:	200x300x180
Control unit weight in kilogramme:	2
Container weight max. in kilogramme:	4
Displacement distance FLEX max. in millimetre:	100
Displacement distance FLEX 160 max. in millimetre:	150
Protection class:	IP54



BBULL
INFORMATIK & INDUSTRIE
ELEKTRONIK

BERNHARD BULL COMPUTER GmbH
Ankerstrasse 73
75203 Königsbach-Stein/Germany
Telefon (+49) 72 32-40 06-0
Telefax (+49) 72 32-40 06-25
E-mail: info@bbull.com
<http://www.bbull.com>

CENTRO
KONTROLLSYSTEME

CENTRO KONTROLLSYSTEME GmbH
Hagener Strasse 75
57072 Siegen/Germany
Telefon (+49) 2 71-48 96 3-6
Telefax (+49) 2 71-48 96 3-74
E-mail: info@bbull.com
<http://www.bbull.com>

STRATEC
CONTROL-SYSTEMS

STRATEC CONTROL-SYSTEMS GmbH
Ankerstrasse 73
75203 Königsbach-Stein/Germany
Telefon (+49) 72 32-40 06-0
Telefax (+49) 72 32-40 06-25
E-mail: info@bbull.com
<http://www.bbull.com>

SYMPLEX
VISION SYSTEMS

SYMPLEX VISION SYSTEMS GmbH
Grüntenstrasse 10A
80686 München/Germany
Telefon (+49) 89-55 27 98-0
Telefax (+49) 89-55 27 98-79
E-mail: info@symplex.de
<http://www.symplex.de>