BBULL®
TECHNOLOGY

STRATEC E

"Small" Labeller Monitoring System plus a Facility for Fill Level Inspection after the Labeller

Monitoring Features Filler

- Fill level inspection (underfill) optional according to gamma detection principle, HF principle or optical principle
- Fill level inspection (overfill) optional according to gamma detection principle, HF principle or optical principle

Monitoring Features Closer

- Missing cap inspection (metallic, non metallic)
- Tilted screw-type cap inspection (bottles)

Monitoring Features Labeller

- Label check (6 labels can be checked simultaneously)

Service Features

- Maschine stop in case of sequential fault (Filler, Labeller, Closer)
- Control of the rejection unit. Transition of the fault bottles /cans to the rejection unit
- Counter for total number and number of bottles / cans rejected

BBULL
INFORMATIK & INDUSTRIE ELEKTRONIK

CENTRO
KONTROLLSYSTEME

STRATEC
CONTROL-SYSTEMS

SYMPLEX
VISION SYSTEMS

General Introduction

The heart of every bottling line is without doubt the filler/labeller area. The output of the filler and labeller dictates the performance of the whole bottling line. This area is also a point where a combination of highly sophisticated mechanical and electronic processes take place, and this at a very high production speed.

Down times with a prolonged search for the cause of break downs in this intricate high-speed zone can cost a great deal of time and consequently a lot of money. This is especially true in the adjustment phase where the error rate is extremely high.

A reduction of down times and consequently a financial saving is possible with a modern electronic filler and/or labeller monitoring system. This system must fulfil the following requirements:

- Quality inspection of the finished bottles /cans/containers and an immediate rejection of the faulty ones.
- An immediate stop of the production machine in the case of sequential errors.
- A reliable indication of the source of errors, combined with a machine stop on an easily accessible repair position.
- Clear statistics graphics about production data and sources of errors to realize an effective control of the installation and reliable preventive maintenance.
- ble preventive maintenance.
- Easy handling and the possibility of printing the results or communicating with a host network.

BBULL TECHNOLOGY offers with the new STRATEC series a functionally graduated product range, which offers for any existing filler and/or labeller a turnkey electronic monitoring system.

From our series of 8 control units the appropriate combination of inspection functions according to any special requirements can be selected.

Application

- Filler and/or labeller monitoring mainly in the beverage and food industry.
- Appropriate for all kind of high-speed filling processes independent of the colour or material of the bottles/cans or similar containers.
- Reliable quality inspection in all kind of filling and/or labelling processes.

Mode of Operation

The complete system consists of a central control unit **STRATEC PC-400** and the necessary sensor bridges/sensors.

This control unit is installed near to the production machine (block) with easy access to the operating panel.

Menu assisted operation and an extensive self-diagnosis feature guarantees easy operation and high reliability.

The necessary inspection function is activated or disabled at the push of a button.

The sensor bridge/sensoric are installed inside the production machine.

Through an interface the control unit is linked to the production machine so as to perform the defined stops in the case of sequential faults.

Depending on the requirements of the user the different systems can be equipped with a printer or an interface to communicate with a host network.

Possible systems configurations

Control units >> / Additional sensoric	STRATEC						
	FEM **	FM	EM	FE **	F	E	EK
Sensor bridge fill level inspection with X-ray tube *							
Sensor bridge fill - level inspection according to gamma principle *							
Sensor bridge fill - level inspection according to HF - principle *							
Sensor bridge fill - level inspection according to optical principle *							
Adapter for missing cap inspection (metallic)							
Adapter for missing cap inspection (non metallic)							
Sensor bridge tilted screw cap inspection							
Sensoric labelcheck (one sensor for every label to be checked)							

* Optionally one of the four principles ** Application in combination with bloc installations

Legend: F Filler monitoring; M VGA-Colour-Monitor; E Labeller monitoring; EK Cable check only

Technical Data

PC based System:	6,4" Touch Screen
Power supply in volt/herz/:	230/50-60
Environmental temperature in degree celsius:	5- 42
Control unit measurements (WxHxD) in millimetre:	400x500x280
Weight in kilogramme:	42,5
Building class:	steel cabinet V2A / IP 55
Operating performance in bottles per hour:	max. 90.000
Interface:	Ethernet, 1x serial RS232/RS422/ RS485
BDE-Interface:	upgradeable
Inputs:	16, +(8), 24V+
Outputs:	8, +(8), 24V+
Pusher tracking:	1x

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