



ASDR-III Autonomous Stuck and Down Ware Reject System

Container glass
production

Precise and safe rejection at the hot end

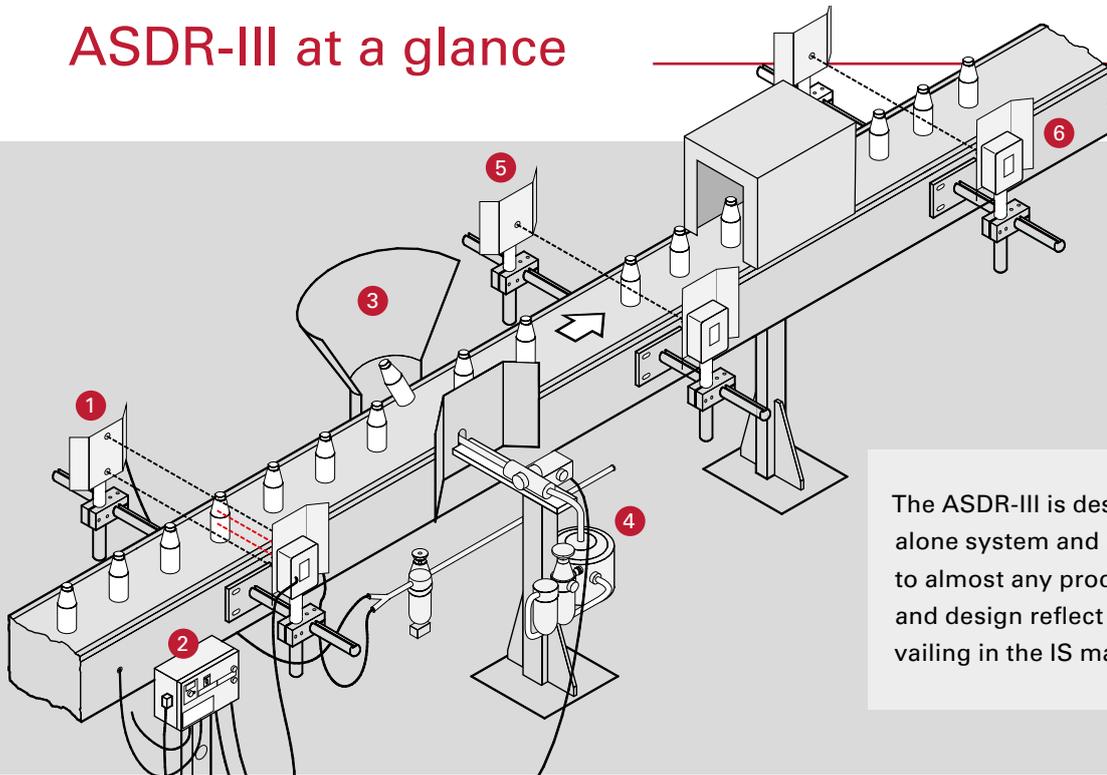
Compact, small and versatile – futronic's new hot-end reject system ASDR-III detects and removes containers from the conveyor if they are smaller or larger than a freely selectable diameter, are too close together, have fallen over or are broken (cullet, fragments).

The optional IR sensors detect and reject faulty products with more than one parison (so-called double parisons). Two additional light barriers can be supplied as an option to detect congestion ahead of the hot-end coating tunnel and count the quantity of good products, for example downstream of the ware transfer. The optional IS machine control system allows faulty containers to be rejected either manually by pressing a key on the section or automatically, e.g. after lubrication.



automation in a new dimension

ASDR-III at a glance



The ASDR-III is designed to work as a stand-alone system and is suitable for retrofitting to almost any production line. The structure and design reflect the harsh conditions prevailing in the IS machine's environment.

Reasons for rejection

- Objects are smaller or larger than a freely selectable diameter
- Objects are stuck together
- Objects are too close together
- Objects have fallen over
- Objects are broken (cullet, fragments)

Benefits

- Quick and easy to install
- Very small footprint
- Suitable as a standalone control system
- Reject correction simply requires a reject signal from the IS control
- Compatible with all IS control systems

Additional functions

- Double parison reject system
- Monitoring function at the entrance to the hot-end coating tunnel (for detecting congestion); continuous reject mode is activated if necessary
- Good products counter, e.g. downstream of the ware transfer
- Advanced plant data collection with storage on a USB or PC via Ethernet

1 Light barrier unit 1

Two height-adjustable light barriers and two optional IR sensors for precise detection of faulty containers.

2 Control unit

Rugged industrial design with control and display elements. Used to activate "Teach mode". No further calibration required.

3 Cullet chute

Can be mounted at any point on the conveyor.

4 Reject nozzle

Broken or out-of-tolerance containers and containers that have fallen over or stuck together are rejected here.

5 Optional light barrier unit 3

For detecting congestion at the entrance to the hot-end coating tunnel.

6 Optional light barrier unit 2

For counting the quantity of good products, e.g. downstream of the ware transfer.

The control unit is just 380 x 380 x 210 mm in size and can also be installed underneath the conveyor without any problems to save space. All inputs and outputs are pluggable. The system is designed for ambient temperatures up to +85°C; power is supplied from the 115 VAC / 230 VAC mains.

If the power supply is interrupted, all data is stored in a non-volatile memory and can be accessed again the next time the unit is switched on.