



Rejection systems for containers

High Speed Pusher **miho HSP**

Multiway Reject System **miho HSPM**

Linear Reject System **miho Leonardo M**

Segment Reject System **miho Leonardo SFM**

Different geometry _____

Different fill level _____

Line speed up to
120,000 containers/h _____

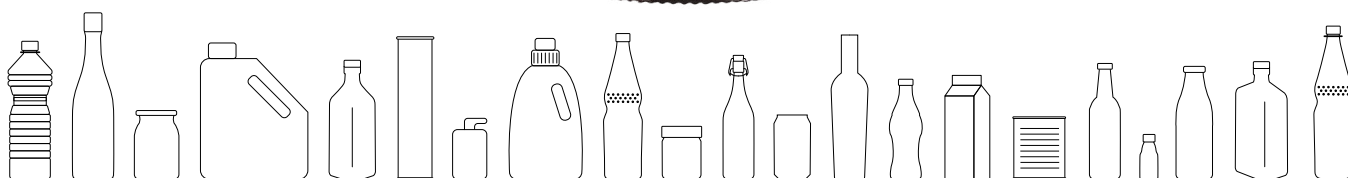
Compact design _____

_____ Vertical rejection

_____ Multiway rejection

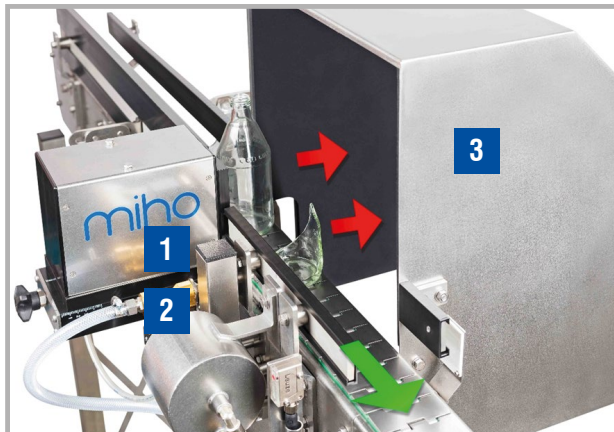
_____ Low maintenance

_____ Integrated solution
(including rejection monitoring)



High Speed Pusher miho HSP

- For rejecting faulty bottles via a pneumatic pusher
- Including rejection monitoring in the empty bottle inspection machine



1 HSP 2 shard blow-out 3 safety cover

Safety cover

Safety cover for glass shards, to be installed directly at the conveyor

Options:

- The container for broken glass is monitored via sensors for overfilling
- In case of an overfilled broken glass container, a line shutdown is activated via the connected miho inspection system

Blow-out device for containers and shards

- Reliable blow-out of lying and broken bottles, as well as shards and containers
- Air pressure unit with electro-magnetic valve monitored by the inspection machine

Multiway Reject System miho HSPM

Technology

- Driven by an optimized high speed linear servomotor
- Parametrization and operation via the miho inspection unit
- Long life time and low maintenance
- No compressed air supply is necessary
- Including reject verification in the empty bottle inspector



miho HSPM:
Multiway rejection (red arrows), depending on the kind of container defect

- Reject system with linear servo motor: Suitable for different container shapes
- Suitable for glass, plastic and paper containers, as well as cans (empty or filled)
- Two channel rejection by defining the stroke length per container type; i.e. to return conveyor or in container
- Rejection process parameterizable for each container type
- Up to 72,000 containers per hour



Linear Reject System miho Leonardo M

- Upright rejection of containers of various shapes, PET bottles, cardboard cans, cartons, ...
- Suitable for bottle sorting before washing or in sorting centers
- 20 years of experience with linear rejection technology
- Touchless activation of sliders

Function

- Secure standing rejection of bottles, cans and carton packaging, regardless of the shape and center of gravity of the container
- Suitable for sorting tasks
- Including reject verification in the empty bottle inspector

Technology

- Magneto-mechanical reject system, no pressured air consumption
- Containers that are to be rejected are guided by slide segments, which run synchronously and parallel to the conveyor belt, to a parallel conveyor track

Segment Reject System miho Leonardo SFM

- Upright rejection on parallel track
- Electro-magnetic actuator, no compressed air
- Compact design



Function

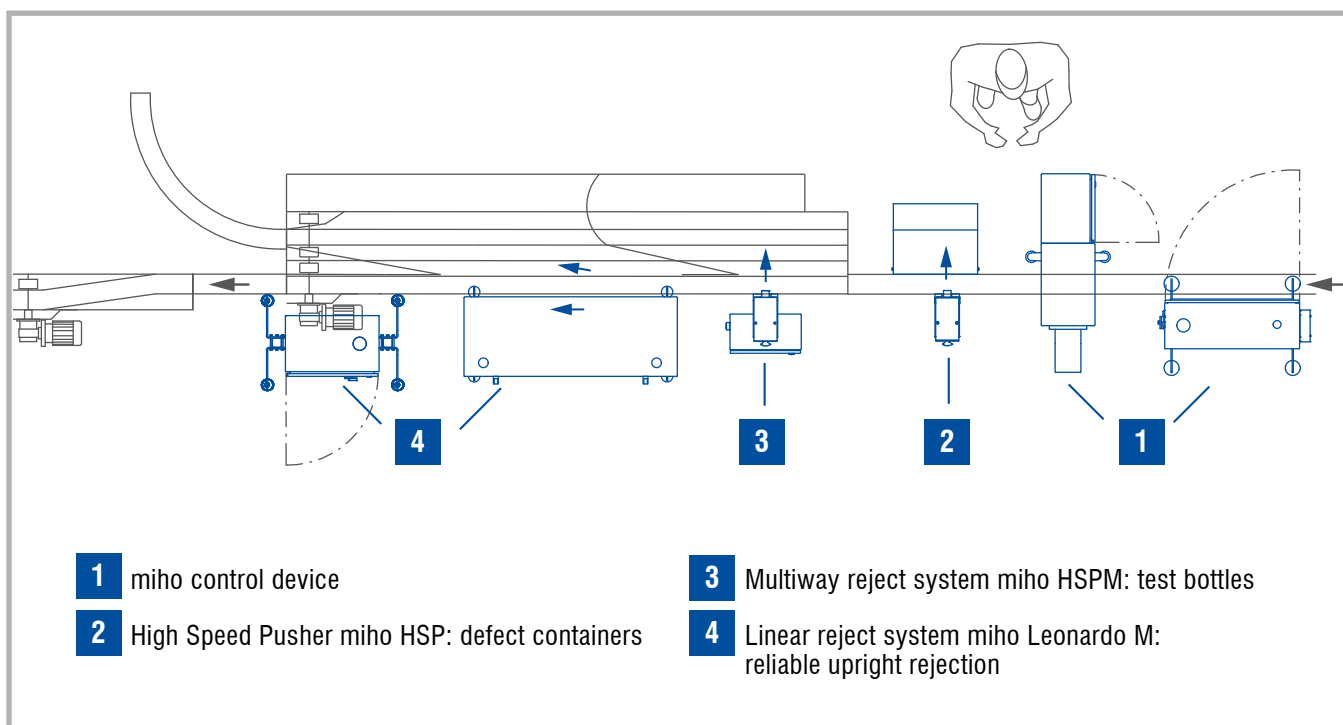
- For the upright rejection or sorting of cylindrical empty containers, whether bottle or can
- Up to 24 quickly in and outfolding rejection segments, reject faulty and unsuitable containers without touching the containers in front or behind
- Suitable for serial installations, i.e. several reject systems are arranged one behind the other, to be able to divert containers into several channels
- Including reject verification in the empty bottle inspector

miho Rejection systems and accessories

Device / Module	Function / Description
miho HSP	Pneumatic container rejecter
miho HSPM	Servo-motor driven rejecter
miho Leonardo M	Linear Reject System for upright rejection
miho Leonardo SFM	Segment Reject System for upright rejection
miho blow off device	Rejection of plastic containers and shards
miho reject verification	Error signal with failed rejection
miho safety cover	Stainless steel, with foam rubber inlay
miho safety cover / with "container full" detection	Additional with "container full" detection
miho Broken Glass Container / hot dipped	Made with hot-dipped galvanized steel; Polycarbonate wheels
miho Broken Glass Container / stainless steel	Made with stainless steel; rubber wheels
miho suitable reject block / HSP und HSPM	Differently shaped reject blocks for small, big, large containersoll

Network integration

- Diagnosis and online help through separate remote maintenance module
- Production data aquisition miho AWeS via Weihenstephaner Standard



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