

miho

VC 2

Crate inspection system



The crate inspection system **miho VC 2** inspects bottle crates after the packer to see if all bottles are present and that the trays are fully packed. It is especially distinguished by a performance spectrum not yet known concerning, for example, different crates and bottle-types.

The **miho VC 2** can achieve this maximum level of versatility and flexibility due to a completely newly-developed camera laser system (which is subject to patent). Further advantages are (compared to inspection systems that work with sensors or by using the traditional method with cameras): a further increase in the level of reliability and the maximum comfort concerning operation and maintenance.

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Technology, operation, rejection:

Technology:

The patent-registered camera laser system for the miho **VC 2** offers many advantages in comparison to inspection systems that use cameras or sensors in the traditional way:

Reduced technology, increased efficiency

With the camera laser system there is generally a clear reduction in the number of electrical and mechanical components. This improves the overall reliability of the system and its inspection performance and it reduces the maintenance requirements.

Laser technology

The camera laser system does not need any extravagant lighting since just one laser (Laser class 2M) provides the necessary light. This provides a cost advantage in comparison to LED's and other additional advantages concerning reliability and durability when compared to incandescent or fluorescent lamps. In addition, a laser-based system is to a large extent resistant to external light.

User Comfort

With the camera laser system no mechanical or sensor adjustment is required when there is a change in crate dimension and compartment structure. The operator just has to select the crate type on the touchscreen.

The miho **VC 2** is operated by using a 5,7" touchscreen. User passwords define the areas of access. The display can be programmed in different languages.

Documentation

The miho **VC 2** records the inspection results, parameter values and user registrations. Data transfer via Ethernet is possible with optional interfaces.

Introducing measures

If a crate is rejected then the following measures can be introduced:

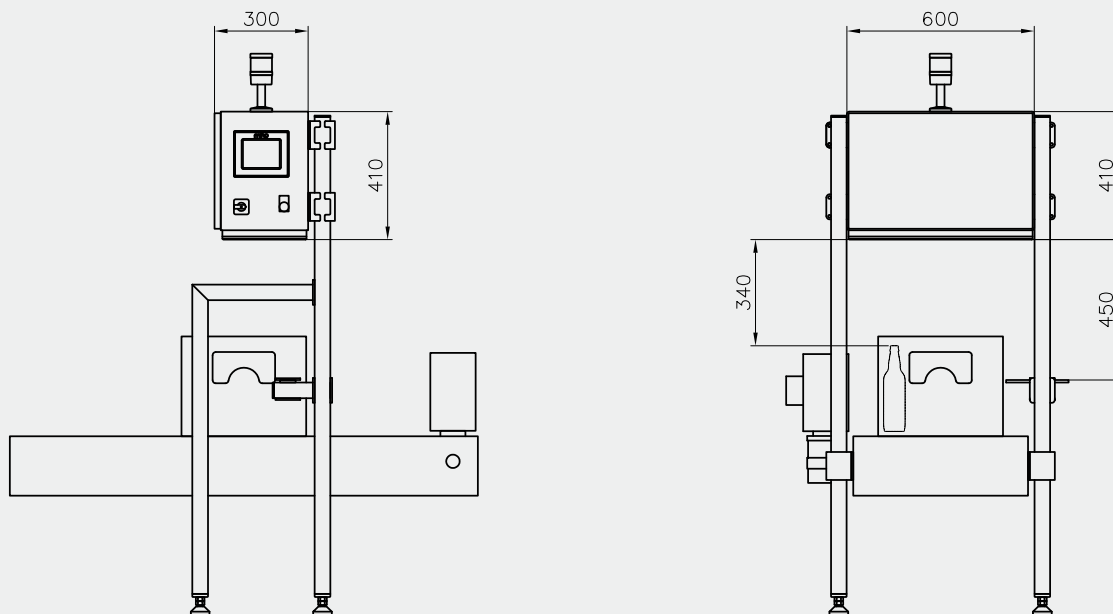
Rejecting the crate through a reject system;

Conveyor stop and stopping the packer/unpacker;

Optical and acoustic signal.

Remote maintenance module (optional)

Faults can be diagnosed and rectified through remote maintenance.



miho Inspektionssysteme