

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:

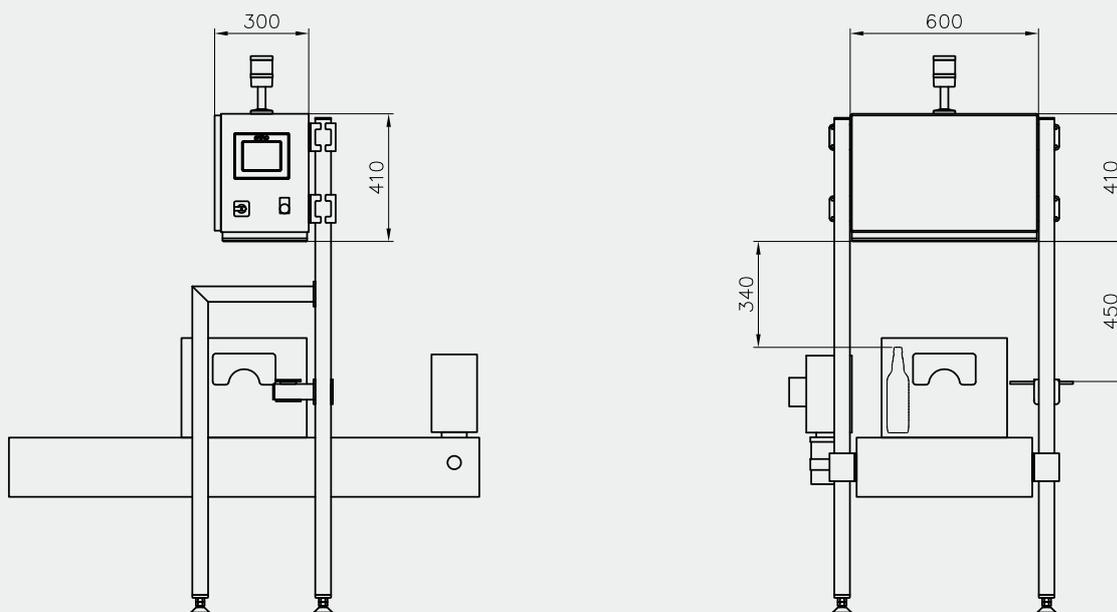
**Rejecting the crate through a reject system;**

**Conveyor stop and stopping the packer/unpacker;**

**Optical and acoustic signal.**

#### Remote maintenance module (optional)

Faults can be diagnosed and rectified through remote maintenance.



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