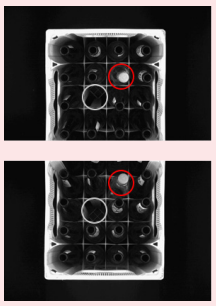
CRATE RECOGNITION

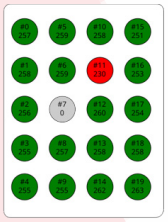
OEM component for reverse vending machines - Your solution for analyzing beverage crates

In certain markets or stores, reverse vending machines must be able to not only take back individual PET bottles and aluminum cans but also beverage crates. These can be analyzed with the insensiv crate recognition system.

The intelligent camera system can be integrated into various reverse vending machines and is mounted at the top of the input chute. Images of the crate are captured on command from the RVM machine control.

The crate itself is identified by comparing its recognized logo, color and dimensions with with entries in a database. To analyze the inside of the crate (occupancy of the crate compartments) and detect missing or incorrect bottles, 3D stereo optics are used.





Example result of a crate analysis

Our recognition systems have been proven for years in the German reusable deposit system, where over 100 crate types are in circulation.

Rely on our experience and market-leading technology - trusted by major retailers across Europe.

Basic functions:

- Analysis of beverage crates and the bottles they contain
- Integration into various reverse vending machines possible
- Multiple intelligent cameras to determine the crate type and the exact occupancy of the crate
- Web service user interface for managing the crate database and certain crate parameters

Your first order:

- Contact us and we will provide you with all necessary information for the initial integration of the crate recognition system into your RVM.

Technical data:

- Dimensions: 783 x 250 x 211 mm (l x w x h)
- Weight: 5,9 kg
- Power supply: 24 V DC
- Input speed: Max. 30 crates / min
- Analysis result of crate compartments: Correct bottle / wrong bottle / empty
- Crate dimensions:
  - Up to 200mm crate height: Max. 410 x 410mm
  - Up to 400mm crate height: Max. 300 x 410mm

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