



INSENSIV

MICRO COUNTING CENTER

AUTOMATED SEPARATION, VERIFICATION, AND VALIDATION OF BEVERAGE CONTAINERS INSERTED IN BULK

The Micro Counting Center (MCC) from insensiv is a compact solution that automates the separation, verification, and validation of collectively entered deposit containers. The machine enables a decentralized counting process directly at your logistics facility.

Beverage packaging can be fed to the machine from a bag, are separated by a special, patented spiral conveyor system, and then transported through a recognition module with a 360° recognition unit for barcodes (and deposit logos) and a shape recognition system.

Verified containers are sorted by type and crushed in one of the customer-specific configurable crusher modules. Containers that are not recognized on the first pass are automatically run through the system again in a so-called "hope run." This increases the counting accuracy of the machine.

Reusable containers and unrecognized or non-deposit items can be collected in additional containers. In this way, the MCC enables a fast and accurate counting process with minimal space requirements.



Functions and advantages:

- Decentralized clearing of deposit containers directly at the logistic site
- High counting accuracy for container bags thanks to a "hope run"
- Modular design for customer-specific configuration (e.g. number of crusher modules)
- Separate and sorted collection of different types of packaging

Field of application:

- Logistics sites or collection points where large quantities of beverage packaging are gathered or collected as bulk material

Technical data:

- Processing speed: 4,000 containers/hour (excluding „hope runs“)
- Required space: Depends on configuration (min. 10x7m)
- Accepted containers: PET bottles and cans
- Number of crusher modules: 2 – x (customizable)
- Recognition technology: insensiv 360° recognition unit + shape recognition
- Power connection: 400 V / 32 A
- Power consumption during operation: max. 8kW
- User terminal: 21.5" touch display
- Compressor: 150 l/min at 8 bar

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