

# Used master can filling machine 23000 CPH

<b>Machine type:</b>	Filling Machine
<b>Ref:</b>	R83
<b>Model:</b>	Master Can
<b>Year:</b>	2008
<b>Speed:</b>	28000BPH
<b>Condition:</b>	In Production
<b>Formats:</b>	0.33 L, 0.50 L
<b>Containers:</b>	Can
<b>Products:</b>	Soft Drinks

## Technical details

No. of valves:	50	Fill type:	Isobaric
Rotation:	Counterclockwise	Isobaric:	Yes
Safety features:	Yes	Manuals:	Yes
Power:	20 kW	Voltage:	380 V
Frequency:	50 Hz		

## Description

### Technical Specifications & Performance Data

This rotary can filling machine is engineered for carbonated soft drink applications and high-speed beverage production. With a robust rotary carousel and precise isobaric filling technology, it supports multiple aluminum can formats while maintaining excellent product integrity and carbonation retention. Manufactured by Tecno-Food Group, the Master Can configuration delivers reliable output for second hand and used bottling line projects in industrial packaging.

- **Filling technology:** Isobaric for carbonated beverages
- **No. of valves:** 50
- **Series:** 50
- **Carousel pitch:** 113 mm
- **Carousel diameter:** 1800 mm
- **Rotation:** Counterclockwise

- **Base format speed:** 23,000 can/h (0.5L)
- **Maximum speed:** 28,000 can/h (0.33L)
- **Compatible formats:** 0.33L, 0.5L cans
- **Filling temperature:** 18 °C
- **CO2 content specification:** 8
- **Installed power:** 20 kW
- **Main power supply:** 380 V
- **Frequency:** 50 Hz
- **Auxiliary voltage:** 24 V
- **Electrical cabinet protection:** IP55 (external), IP20 (internal)
- **Year of manufacture:** 2008

## Advanced Automation & Control Systems

The electrical system is configured for 380 V, 50 Hz industrial environments with a 24 V auxiliary circuit for controls and sensors. Protection ratings of IP55 (external) and IP20 (internal) support dependable operation in beverage production settings. The rotary architecture and defined carousel pitch facilitate precise can handling and consistent fill levels across high-speed runs.

- Industrial power interface at 380 V, 50 Hz
- 24 V auxiliary control circuit
- Ingress protection: IP55 external / IP20 internal
- Quick format handling for 0.33L and 0.5L
- Counterclockwise machine rotation for standard layout flexibility

## Production Line Integration Capabilities

Designed for seamless integration into a complete beverage production and packaging machinery layout, this filler interfaces efficiently with upstream and downstream equipment typical of a used bottling line.

- Upstream compatibility with can depalletizing, rinsing/ionized air cleaning, and conveying
- Downstream interface with can seamer, leakage testing, pasteurizer, labeling/inkjet coding, and packers
- Standalone or inline operation with standard conveyor systems
- Multi-format workflow for 0.33L and 0.5L aluminum cans

## Machine Condition & Maintenance History

The machine is reported as still in work, indicating active operation. This operational status supports rapid redeployment into second hand beverage production environments, minimizing commissioning lead times. Ongoing maintenance routines typical of carbonated beverage filling lines are presumed to have been applied in production use.

- Operational status: In production
- Suitable for quick recommissioning in a used bottling line

## Operational Performance & Versatility

Optimized for carbonated soft drinks, the isobaric filling process maintains carbonation and ensures consistent fill levels at elevated speeds. The 50-valve rotary design balances throughput with gentle product handling, supporting industrial packaging demands across standard can sizes.

- Product focus: Carbonated soft drinks (CSD)
- Container material: Aluminum cans
- High-speed operation up to 28,000 can/h depending on format
- Stable performance at 18 °C filling temperature

## Installation Requirements & Site Preparation

Site utilities and infrastructure should conform to the machine's electrical and pneumatic specifications. The carousel diameter and rotation direction aid layout planning within existing packaging machinery lines.

- Power: 380 V, 50 Hz, approx. 20 kW installed
- Compressed air: 6–8 bar
- Inert gas (CO<sub>2</sub> or nitrogen as process requirement): 6–8 bar
- Process water: 3–4 bar
- Operational setpoint: 18 °C filling temperature
- Carousel diameter: 1800 mm (layout reference)

## Safety Standards & Compliance Certification

The machine shows CE conformity marking and electrical protection ratings suitable for beverage production sites. Standard guarding and interlocks for rotary fillers are applicable, supporting operator safety and hygiene in industrial beverage packaging.

- CE compliance indicated
- Electrical ingress protection: IP55 external / IP20 internal
- Operator safety features and guarding consistent with rotary filling operations