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Used Mesal Filling triblock 12000 BPH - year 2011

Machine type:	Filling Monoblock
Ref:	M318
Model:	E30-30-10IA1
Year:	2011
Speed:	12000 Bottles/hour
Condition:	Ready for Operation
Containers:	PET
Products:	CSD

Technical details

Rotation:	Clockwise	Has rinser:	Yes
Has blowing machine:	No	Has capper:	Yes
Filler - No. of valves:	30	Aseptic:	No
Neck type:	28 mm	Isobaric:	Yes
Filler - Type of nozzle:	Fixed	Filler - Fill type:	Isobaric
Safety features:	Yes	Manuals:	No
Voltage:	400 V	Frequency:	60 Hz

Description

Used Mesal Filling triblock 12000 BPH - year 2011

Technical Specifications & Performance Data

This is an automatic isobaric filling monoblock engineered for PET bottle handling and optimized for carbonated beverage production. Manufactured by MESAL in 2011, model E30-30-10IA1, it combines rinsing, isobaric filling, and capping in a compact rotary platform suitable for medium-speed beverage production. As a versatile second hand asset for a used bottling line, it provides reliable industrial packaging performance with efficient changeover and robust construction.

- **Manufacturer:** MESAL
- **Model:** E30-30-10IA1
- **Year:** 2011

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- **Production speed:** up to 12,000 bottles/hour (format dependent)
- **Container type:** PET
- **Bottle format:** 0.24L (240 ml)
- **Neck finish:** 28 mm
- **Filling technology:** Isobaric (for carbonated products)
- **Operating mode:** Automatic
- **Electrical data:** 400 V, 60 Hz
- **PLC/HMI:** Omron control

Advanced Automation & Control Systems

The monoblock integrates advanced automation to ensure repeatable filling accuracy and stable carbonation control. The Omron PLC coordinates the rinsing carousel, isobaric filling carousel, and capping turret with synchronized drives. Operator-friendly controls help streamline format changes and reduce setup time.

- Omron PLC automation for reliable machine coordination
- Centralized control of rinse, fill, and cap turrets
- Automatic operation with format-dependent parameters
- Isobaric process control for carbonated beverage handling
- Interlocked guards and access doors for safe operation

Production Line Integration Capabilities

Designed for seamless integration in a beverage production environment, this monoblock is suitable for embedding into a complete used bottling line or operating as a core station within an industrial packaging system. It can be coupled upstream with depalletizing and air conveyors and downstream with labeling, inspection, packing, and palletizing equipment.

- Inline integration with conveyors and accumulation systems
- Compatible with standard PET handling components
- Flexible for carbonated beverage applications
- Optimized for 0.24L PET; adaptable across similar small-format PET

Machine Condition & Maintenance History

This second hand monoblock is presented in ready-for-operation condition, suitable for beverage producers seeking dependable performance. The robust engineering typical of MESAL equipment supports consistent uptime when correctly maintained and commissioned.

- Ready for operation with standard commissioning
- Industrial-grade construction for durability
- Suitable for inclusion in a used bottling line upgrade

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Operational Performance & Versatility

Engineered for carbonated beverage filling, the isobaric system maintains product CO2 content and fill-level stability. The PET handling components support 28 mm neck finishes, common in CSD applications, delivering reliable capping torque and secure seals.

- Ideal for carbonated beverage production (CSD)
- Isobaric control enables stable carbonation and consistent fills
- 28 mm neck compatibility for standard PET closures
- Integrated rinsing, filling, and capping to minimize footprint

Installation Requirements & Site Preparation

The machine requires standard industrial utilities and floor space for a rotary monoblock of this capacity. Electrical supply should match the specified voltage and frequency, with adequate compressed air and product supply systems as per typical beverage production standards.

- Electrical supply: 400 V, 60 Hz
- Compressed air and product utilities per isobaric filler norms
- Integration with existing conveyors and line controls

Safety Standards & Compliance Certification

The monoblock includes operator safety protections and interlocked guards consistent with modern beverage packaging machinery. Hygienic design and stainless-steel construction on product-contact parts support food and beverage applications.

- Safety guards with interlocks for operator protection
- Emergency stop pushbuttons at key access points
- Hygienic design suitable for beverage production environments