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Used MORETTO EPL 5-8 N blow molding machine - Year 2012

Machine type:	Blow Molding Machine
Ref:	SO141
Model:	MP – EP-L5-8/ND
Year:	2012
Speed:	200 Units/hour
Condition:	Ready For Operation

Technical details

Type:	Linear	No. of cavities:	1
Elevator:	Not stated	Preforms tipper:	Not stated
Unscrambler:	Not stated	Compressor:	Not stated
Chiller:	Yes	Preform neck type:	N/A
Air Recovery System:	Not stated	Safety features:	Yes
Manuals:	No	Width:	1900 mm
Length:	5050 mm	Height:	3250 mm
Weight:	7000 kg	Power:	64 kW

Description

Used MORETTO EPL 5-8 N blow molding machine - Year 2012

Technical Specifications & Performance Data

This extrusion blow molding machine is engineered for producing hollow plastic containers with high repeatability and efficiency. Manufactured by Magic with a full-electric drive concept, it is equipped for industrial packaging and beverage production environments where precision, uptime, and energy efficiency are critical. It suits used bottling line upgrades and second hand equipment integrations requiring robust blow molding capabilities.

- **Blow molding process:** Extrusion blow molding, full electric
- **Maximum blown container volume:** 8000 cm^3
- **Clamping force:** 100 kN
- **Speed:** around 200 Unit/hour for (Distilled water container)

- **Dry cycle time:** 2.2 s
- **Opening stroke:** 250 mm
- **Maximum mold dimensions (L × P × A):** 425 / 2x130 / 400 mm
- **General electrical power:** 15 kW
- **Total installed electrical power:** 64 kW
- **Extruder screw diameter:** 70 mm
- **Extruder L/D:** 24 L/D
- **Extruder motor power:** 35 kW
- **Extruder heating zones:** 5
- **Extruder heating power:** 10.6 kW
- **Single extrusion head max die diameter:** 100 mm
- **Head heating zones:** 4
- **Head heating power:** 3.8 kW
- **Machine footprint (W × L × H):** 1900 × 5050 × 3250 mm
- **Total system weight:** 7000 kg
- **Noise level:** 75 dB(A)

Advanced Automation & Control Systems

The full-electric architecture enhances precision and repeatability while minimizing energy consumption and maintenance compared to hydraulic systems. Fast dry-cycle performance supports higher throughput and stable cycle times. Temperature control across multiple heating zones on the extruder and head ensures consistent parison quality and stable process control for demanding industrial packaging applications.

- Full-electric drive for efficient, clean operation
- Multi-zone temperature management on extruder and die head
- Stable, repeatable dry cycle for consistent production
- Operator-friendly adjustments and setup for mold changes
- Process reliability suitable for stringent quality requirements

Production Line Integration Capabilities

This machine integrates smoothly within a used bottling line or a mixed-manufacturer production environment. It comes with a comprehensive set of auxiliaries to streamline upstream and downstream handling, supporting end-to-end beverage production or industrial packaging workflows.

- Included auxiliaries: hopper feeders, suction unit, dryer, granulator, cooler, color mixer, conveyors
- Auxiliaries brand: Moretto (most components purchased new in 2012)
- Inline or standalone operation for flexible layouts

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- Supports diverse container geometries enabled by robust clamping and mold size window

Machine Condition & Maintenance History

The blow molding machine is configured as a full-electric unit with an auxiliary package primarily from Moretto, purchased new in 2012. Its specification set indicates a production-ready configuration aligned with modern energy and process standards. Routine preventive maintenance and correct utility conditioning are recommended to sustain long-term reliability and performance.

Operational Performance & Versatility

With a 100 kN clamping force, fast 2.2 s dry cycle, and precise multi-zone temperature control, the system is designed for reliable container forming across a broad application range in industrial packaging. The single-head extrusion configuration and ample mold size envelope support a variety of container designs, enabling efficient changeovers and stable quality for continuous production demands.

- Single extrusion head for robust operation and simplified setup
- Consistent parison control due to optimized heating zones
- Suitable for high-duty production shifts in second hand and upgrade scenarios

Installation Requirements & Site Preparation

Proper site preparation ensures optimal performance and uptime. The following utility and space parameters support commissioning and everyday operation.

- Space requirement (W × L × H): 1900 × 5050 × 3250 mm
- Total installed power: 64 kW; typical average consumption: 16 kW
- Blow nozzle air pressure: 6–8 bar; air consumption: 800 Nl/min
- Process cooling water pressure: 3–4 bar; thermal load: 19,700 kcal/h
- Stable foundation and adequate access for mold handling and maintenance

Safety Standards & Compliance Certification

The full-electric design contributes to a cleaner machine environment, while engineered guarding and control logic support safe operations. The machine layout enables clear operator access for adjustments and changeovers, and acoustic emissions are maintained at 75 dB(A) to support compliance with typical plant safety practices.

- Engineered guarding around moving components
- Operator access zones for safe setup and maintenance
- Low-noise operation at 75 dB(A) to support plant safety policies
- Process stability features that help maintain consistent, high-quality output