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Used blow molding machine HDPE for 10 L 300 bph

Machine type:	Blow Molding Machine
Ref:	SO126
Model:	HMS 10/D
Year:	2000
Speed:	300BPH
Condition:	In production
Containers:	PET

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Technical details

Measurements

Width:	7700 mm	Length:	7600 mm
Height:	3900 mm		

Electrical data

Kw:	156 Kw		
Safety features:	Yes	Manuals:	Yes
No. of cavities:	1	Elevator:	No
Preforms tipper:	No	Unscrambler:	No
Compressor:	No	Chiller:	No
Preform neck type:	No	Air Recovery System:	Not stated
Type:	Linear	---	---

Description

Used HDPE Extrusion Blow Molding Machine for 10 L – 300 bph – Overview

Second-hand Uniloy Milacron HSM10/D extrusion blow molding machine designed for producing up to 10 L HDPE containers. With a single-parison head and robust clamp, this EBM unit is ideal for industrial packaging and beverage production auxiliaries (e.g., water canisters, edible oils) and can be integrated within a used bottling line. Documentation and manuals are available. Reference number: SO126.

Used Bottling Lines™

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Technical Specifications & Performance Data

Main data

- Make/Model: Uniloy Milacron HSM10/D
- Year: 2000
- Technology: Extrusion Blow Molding (EBM), single parison
- Material: HDPE
- Number of cavities: 1
- Max container volume: 10 L
- Indicative output: up to about 300 bph on 10 L (application-dependent)
- Manuals: included
- Ref. no.: SO126

Extruder

- Screw diameter: 100 mm; L/D 24
- HDPE screw speed: 0–70 rpm
- Plasticizing capacity (HDPE): approx. 300 kg/h
- Main extruder motor: 89 kW
- Heating zones: 6; barrel heating power: 31.4 kW
- Motor cooling power: 0.58 kW; barrel cooling power: 1 kW

Parison head

- Type: PE 1/200, single parison
- Max die diameter: 200 mm
- Head heating power: 14.2 kW
- Parison thickness control: hydraulic (wall-thickness programming)

Clamp & blow unit

- Clamp force: 200 kN
- Max mould size: 650 × 500 mm (H)
- Mould thickness: 2 × 150 mm
- Mould opening stroke: 300 mm
- Horizontal carriage stroke: 660 mm
- Blow pin stroke: 240 ± 5 mm
- Blow pin thrust at 50 bar: 320 kg

Electrical

- Installed power: 156 kW (average consumption ~104 kW)
- Supply: 400 V, 50 Hz, 318 A, 3 + N

Hydraulic system

- Reservoir capacity: 400 l

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- Pump flow (1470 rpm): 123 l/min
- Max pressure (main circuit): 190 bar
- Main hydraulic motor: 37 kW; oil cooling motor: 1.5 kW

Pneumatics

- Operating pressure (general): 6–8 bar; air use: 2000–2500 Nl/min
- Post-cooling pressure: 6–8 bar; air use: 1000–1500 Nl/min

Cooling water

- Mould circuit: 8–12 °C; flow 15 m³/h
- Extruder & hydraulic oil: 10–24 °C; flow 4 m³/h

Dimensions & weights

- Approx. machine size (L × W × H): 7600 × 7700 × 3900 mm
- Blow unit weight: 7600 kg; Extrusion group weight: 6400 kg
- Noise level at operator: < 85 dB(A)

Advanced Automation & Control Systems

- Hydraulic wall-thickness programming for precise parison control, improving weight distribution and top-load performance on 10 L containers.
- Dedicated Uniloy command and control software (version code available in manuals) with operator interface for setpoint management and diagnostics.
- Integrated temperature control across six extruder zones and heated head for stable processing at up to 300 °C transformation temperature.
- Interlocked guarding and emergency stops for safe operation.

Production Line Integration Capabilities

This second-hand extrusion blow molder is integration-ready for downstream equipment typical of a used bottling line and industrial packaging systems:

- Conveyors, deflashing/trimming, leak testers, vision/weight control, and palletizing cells.
- Standard utilities: 400 V / 50 Hz electrical, 6–8 bar compressed air, closed-loop cooling water at specified flows.
- Suitable for beverage production auxiliaries such as water and edible-oil jerrycans, as well as chemicals and household products.

Machine Condition & Maintenance History

- Status: second-hand unit with original documentation; manuals are available for commissioning and maintenance.
- Chiller: not supplied (water circuits required as per specs). Air compressor: not included unless otherwise stated.
- Inspection and test under your product and tooling are recommended to validate cycle time and wall-thickness distribution.

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Operational Performance & Versatility

- Single-parison design supports consistent production of 5–10 L containers with changeable dies up to Ø200 mm.
- HDPE processing at high plasticizing capacity (~300 kg/h) enables competitive cycle times around 300 bph on 10 L, subject to mould design, cooling, and part geometry.
- Stable temperature control and hydraulic parison programming deliver repeatable quality for demanding industrial packaging requirements.

Installation Requirements & Site Preparation

- Footprint and access: allocate at least 7.6 × 7.7 m plus service clearance; height 3.9 m minimum.
- Electrical: 400 V, 50 Hz, 3+N, 318 A; installed power 156 kW (typical average ~104 kW).
- Compressed air: 6–8 bar; 2000–2500 Nl/min for process plus 1000–1500 Nl/min for post-cooling.
- Cooling water: mould circuit 8–12 °C at 15 m^3/h; extruder/oil circuit 10–24 °C at 4 m^3/h. Provide adequate filtration and water treatment.
- Floor loading: allow for approx. 14 t total machine mass across extrusion and blow groups.

Safety Standards & Compliance Certification

- Safety features include interlocked guards, emergency stop circuits, and acoustic emissions below 85 dB(A) at the operator position.
- Built to European safety practices of its manufacturing period. Compliance with current local regulations should be verified during installation.
- Comprehensive manuals support risk assessment, CE validation updates, and operator training.

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