

Used NEGRI BOSSI 850T injection molding machine - Year 2004

Machine type:	Injection Molding Machine
Ref:	PR25
Model:	U850
Year:	2004
Condition:	Ready For Operation

Technical details

No. of cavities:	1	Safety features:	Yes
Manuals:	No	Width:	2600 mm
Length:	11550 mm	Height:	2305 mm
Weight:	39600 kg	Power:	198 kW

Description

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Technical Specifications & Performance Data

This NEGRIBOSSI U850 Injection Molding Machine delivers high-tonnage performance for large-shot applications and precision molding. Configured with a 100 mm screw, it offers robust shot volume and clamping power, making it suitable for industrial packaging components and beverage production accessories. Manufactured in 2004, the machine integrates proven NEGRIBOSSI engineering with an EUROMAP 8500H-6500 injection unit and a user-friendly HMI.

- **Model:** U850 (EUROMAP 8500H-6500)
- **Clamping force:** 8500 kN
- **Screw diameter:** 100 mm
- **Shot volume:** 3925 cm³
- **Shot weight (PS):** 3570 g
- **Maximum shot weight:** 3750 g
- **Injection pressure:** 1670 bar
- **Between tie-bars (H x L):** 1140 x 1020 mm

- **Platen size (H x L):** 1670 x 1580 mm
- **Mould height (min–max):** 400–1100 mm
- **Opening stroke:** 1200 mm
- **Ejector stroke:** 399 mm
- **Hydraulic operating pressure (mould/injection):** 180 bar
- **Motor-pump power:** 74 kW
- **Plasticizing power (100 mm):** 37 kW
- **Heating power (100 mm):** 37 kW
- **Total installed power (100 mm):** 198 kW
- **Core pullers:** 2
- **Robot interface:** Yes
- **Air circuit:** 1
- **Electric dosing motor:** Yes
- **Machine dimensions (L x W x H):** 11550 x 2600 x 2305 mm
- **Machine weight:** 39600 kg

Advanced Automation & Control Systems

The U850 features a modern HMI with clear operational menus and diagnostic pages to streamline setup and production. The machine supports robot interface connectivity for automated part removal and downstream handling. Electric dosing and precise plasticizing power ensure stable melt quality and repeatable cycles. Safety controls and process monitoring are integrated through the control interface to maintain consistent, high-quality output.

- **HMI control:** multi-page interface with technical characteristics view
- **Automation:** robot interface enabled for pick-and-place and cell integration
- **Power architecture:** motor-pump 74 kW; plasticizing and heating 37 kW each (100 mm configuration)
- **Process monitoring:** live readouts for temperature, times, positions, and pressures

Production Line Integration Capabilities

This injection molding machine integrates seamlessly into industrial packaging and beverage production environments, supporting automated cells with robots, conveyors, and quality control stations. Its robust clamping unit and generous tie-bar spacing accommodate multi-cavity molds for components used in used bottling line refurbishments and second hand production setups.

- Compatible with automated part removal robots and conveyors
- Supports quick tool change practices with ample platen access
- Suitable for industrial packaging components and beverage production accessories

Machine Condition & Maintenance History

The machine is presented in working condition and ready for operation. Its technical characteristics are verified via the onboard HMI, with parameters aligned to the 100 mm screw configuration. The presence of robot interface and core pullers indicates readiness for automated cell deployment.

Operational Performance & Versatility

With 8500 kN clamping force and large shot capacity, the U850 handles sizeable parts or high-cavitation molds with consistent melt preparation. The electric dosing motor supports stable plasticizing, while hydraulic pressures and long opening stroke enable robust tool operation. These capabilities make it suitable for a wide range of industrial packaging parts, beverage production accessories, closures, and technical components used across bottling equipment and packaging machinery.

Installation Requirements & Site Preparation

Ensure adequate floor space for the machine footprint and safe perimeter access for tool changes and maintenance. The installed power for the 100 mm configuration is 198 kW; utilities should be sized accordingly. Provide compressed air for auxiliary circuits and robot end-of-arm tooling, and allow clear overhead access for mold handling equipment.

- Footprint: 11550 x 2600 mm
- Height clearance: 2305 mm minimum plus allowance for lifting/hoisting
- Utilities: electrical supply sized for up to 198 kW installed power; compressed air for auxiliaries

Safety Standards & Compliance Certification

The U850 is engineered with standard safety guarding and interlocks to protect operators during clamping, injection, and ejection sequences. Emergency stop systems are integrated via the control interface. The machine's construction and guarding concept support deployment in industrial packaging and beverage production environments where safety and hygiene practices are critical for consistent operation.