

Used NEGRI BOSSI 700T injection molding machine - Year 2009

Machine type:	Injection Molding Machine
Ref:	PR26
Model:	VECTOR 7000 H 6500
Year:	2009
Condition:	Ready For Operation

Technical details

No. of cavities:	1	Safety features:	Yes
Manuals:	No	Width:	2340 mm
Length:	1000 mm	Height:	2400 mm
Weight:	30000 kg		

Description

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Technical Specifications & Performance Data

This Negri Bossi injection molding machine delivers high-output performance in the 700-ton clamping class, ideal for producing technical plastic parts and PET preforms that feed downstream used bottling line and industrial packaging operations. Built in 2009, it combines robust Italian engineering with a versatile injection unit and advanced controls for demanding, continuous-duty manufacturing environments common in beverage production supply chains.

- **Manufacturer:** Negri Bossi
- **Model:** VECTOR 7000 H 6500
- **Year:** 2009
- **Working hours:** 69500
- **Clamping class:** 700-ton class
- **Screw diameter:** 110 mm
- **Shot volume:** 4750 cm³
- **Shot weight:** 4320 g
- **Maximum injection pressure:** 1670 bar

- **Core pulling:** 4 (2 + 2)
- **Robot interface:** Yes
- **Air circuits:** 4
- **Ejection stroke:** 350 mm
- **Opening stroke:** 1000 mm
- **Mould height (min–max):** 400–1000 mm
- **Tie-bar spacing (H × W):** 900 × 1000 mm
- **Platen size (H × W):** 1340 × 1410 mm
- **Overall dimensions (L × W × H):** 1000 × 2340 × 2400 mm
- **Weight:** 30000 kg
- **Option:** Electric dosing motor
- **Control system:** DIMIEL

Advanced Automation & Control Systems

The machine is equipped with a DIMIEL control system featuring a clear HMI for fast setup, monitoring, and optimization. Core-pull functions (2 + 2) and multiple air circuits are programmable to support complex molds and automated sequences. The integrated robot interface enables seamless connection to handling robots for part take-out, insert loading, or downstream packing, enhancing OEE and reducing cycle time variability. Safety interlocks, guarded access zones, and centralized control help operators maintain stable, repeatable processing with quick parameter adjustments and recipe management.

Production Line Integration Capabilities

Thanks to its robot interface and flexible I/O, this injection molding machine integrates smoothly into plastics manufacturing cells feeding beverage production and industrial packaging workflows. It supports inline or standalone operation and pairs well with resin dryers, loaders, mold temperature controllers, and quality inspection systems. For PET preform applications, it can be positioned upstream of stretch blow molding machines that supply PET bottles to used bottling line and second hand packaging machinery.

Machine Condition & Maintenance History

This unit is a second hand machine with 69500 operating hours. It is presented in working condition and ready for operation, suitable for facilities seeking reliable capacity expansion without the lead time of new equipment. The robust Negri Bossi Vector platform and the electric dosing motor option contribute to stable performance and efficient plasticizing over long production runs.

Operational Performance & Versatility

With a 110 mm screw and a generous 4750 cm³ shot volume, the machine handles large parts or multi-cavity molds effectively. Four core-pull circuits and four air circuits support sophisticated tooling, making it suitable for technical

parts and PET preforms related to beverage production supply chains. The high injection pressure capability (1670 bar) enhances precision filling of intricate geometries and ensures consistent part quality across varied materials.

Installation Requirements & Site Preparation

The machine's footprint and weight facilitate straightforward plant layout planning. Provide a stable, level foundation capable of supporting 30000 kg and ensure adequate access for mold changes and maintenance. Utilities typically include a three-phase electrical supply, compressed air for actuations and blow-offs, and process cooling water for the hydraulic and mold circuits. Plan for safe crane access for mold handling and maintenance activities.

Safety Standards & Compliance Certification

Engineered with comprehensive operator protections, the machine includes perimeter guarding and interlocked access doors to protect against moving elements during operation. Emergency stop circuits are accessible from key operator positions. The machine's design and construction align with contemporary industrial safety practices for plastics processing environments serving beverage production and industrial packaging sectors.