

Used HDPE 4+4 Blow Molding Machine TECHNE SYSTEM up to 2700 bph

Machine type:	Blow Molding Machine
Ref:	SO117
Model:	SYSTEM
Year:	2000
Speed:	2700 Bottles/hour
Condition:	Ready For Operation

Technical details

Type:	Linear	No. of cavities:	8
Elevator:	No	Preforms tipper:	No
Unscrambler:	No	Compressor:	No
Chiller:	No	Preform neck type:	0
Air Recovery System:	Yes	Safety features:	Yes
Manuals:	Yes	Weight:	18500 kg
Power:	251 kW	Voltage:	400 V
Frequency:	50 Hz		

Description

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Main Technical Features and Premium Upgrades

This HDPE Blow Molding Machine offers a highly specialized system for blow molding containers made of high-density polyethylene (HDPE). Specifically, this is a **TECHNE 4000 T660 manufactured in 2000**, which is preserved in an **OPTIMAL state of cleanliness and order**. Reflecting its meticulous maintenance history, the machine was cleaned daily in the lower section, and completely blown and cleaned once a week, starting from the extruder down to the bottom.

In December 2023, the system received a **brand-new retrofit consisting of a latest-generation Gefran PLC** equipped with a color touch screen, fully customizable functions, and complete machine control via HMI. This upgrade also features a **Gefran GFC modem for remote assistance**.

The machine operates with a **4+4 cavity double head configuration with a 150 mm cavity spacing**, handling bottle formats up to 2 liters and producing up to 2700 bottles per hour (bph). This design optimizes production with a symmetrical and highly efficient layout. Furthermore, the system is equipped with **proportional hydraulics for movements utilizing Rexroth hydraulics**, along with independent control of 8 parisons. It features **8 parisons with independent profiles managed by Moog servovalves**, offering precise parison control up to 400 points.

The production line comes exceptionally well-equipped with peripheral machinery, including a **complete plastic loader kit with a Moretto mixer, a Tria granulator (2022), and a Villani double leak tester (comprising 2 independent leak testers)**. Additionally, an extensive **complete replacement kit** is included. These spare parts encompass:

- All Rexroth proportional movement valves (carriage, nozzles, and molds)
- All linear transducers
- Carriage translation columns complete with a full set of bushings
- Closing lever equipped with bushings and pins
- A Voith hydraulic pump
- All ATOS hydraulic cylinders
- A brand-new direct current (DC) extrusion motor
- A brand-new direct current (DC) inverter
- Various mechanical parts, heating elements, nozzles, cores, and dies

You can access this machine starting mid-October.

Mold Configuration and Flexibility

To ensure high precision in shaping bottles, the blow molding system provides a cavity spacing of 150 mm. Additionally, the machine includes a double carriage with a **660 mm carriage stroke**, which allows you to control the production cycle optimally and minimizes downtime. In particular, this Blow Molding Machine accommodates containers up to 2 liters, giving you significant flexibility in producing various types of packaging. The system supports both **straight or inclined blowing (up to 30 degrees)**, adapting easily to different container geometries.

The extrusion system features a **100 mm / 25 L/D extruder equipped with a vertical filter**. Although the machine does not include molds in its standard supply, it supports a wide range of mold sizes, up to a maximum capacity of 2 liters. Furthermore, you can easily adapt the entire system to meet specific production needs. Upon request, you can also add accessories or make necessary modifications, which we offer at separate quotations. Additionally, our technicians, who manage the disassembly, can reassemble the machine, thereby ensuring continuity and reliability in operations.

Manuals and Technical Documentation

This blow molding machine comes with a **complete set of manuals, CE Declaration, and ISO 9001 certification**. This detailed technical documentation and schematics will assist you during installation, maintenance, and daily operations. More specifically, the documentation provides detailed specifications regarding container tolerances and operational schematics of system components. As a result, the design optimizes critical values like bottle spacing and the distance between extruders and the container body.

Production and Performance

This Used Blow Molding Machine supports production capacities ranging from 2400 to 2700 bottles per hour, depending on operating conditions and container types. Therefore, it allows you to maintain a steady output rate. In terms of precision, the mold-carriage stroke extends to 660 mm, allowing well-calibrated movements that ensure production uniformity. Consequently, the machine can produce bottles up to 290 mm wide and 690 mm tall.

Conclusions of the HDPE Blow Molding Machine TECHNE SYSTEM

The Used HDPE 4+4 Blow Molding Machine TECHNE SYSTEM up to 2700 bph, available from mid-October, provides a versatile and highly efficient solution for companies that require a high production capacity. Additionally, you can customize the system by adding accessories upon request. As a result, the flexibility in mold configuration allows you to adapt the machine to a wide range of production demands. Lastly, the machine ensures operational efficiency due to its reliability, premium 2023 electronics retrofit, comprehensive spare parts package, and the availability of technical support for both assembly and disassembly further enhances its performance.