

Automatic PET Bottle Blow Molding Machine – Model A-4000-3

Description:

This fully automatic machine is designed for the production of PET bottles from heated preforms by means of stretching and two-stage blow molding in a three-cavity mold. The equipment enables the production of bottles with capacities ranging from 0.25 to 2.0 liters for filling both carbonated and still liquids. The machine is equipped with pneumatic components from leading international manufacturers such as FESTO and AirCom, as well as an OMRON controller and electronic system.



Details:

Technical Parameter	Specification / Value
Maximum Productivity, bottles per hour	4,000 (depends on bottle volume, geometry, weight and application)
Container Volume Range	0.25 to 3 Liters
Maximum Bottle Diameter	105 mm
Number of Mold Cavities	3 Cavities
Compatible Preform Types	Lightweight, Shortened, Standard, and Thick-Walled
Pre-Blowing Pressure	1 MPa (10bar)
Main Blowing Pressure	4 MPa (40 bar)
Control System Pressure	0.8 MPa (8 bar)
Total Compressed Air Consumption	8.5 Nm ³ /min
Heating Elements / Zones	21 Pcs / 7 Independent Heating Zones
Cooling Water Temp. (Coolant)	6 to 10 °C
Coolant Flow Rate	1 m ³ /h
Coolant Pressure	0.3 MPa (3 bar)
Required Chiller Cooling Capacity	17 KW
Power Consumption	14.6 KW
Supply Voltage	380 V (3-Phases)
Operating Ambient Temp. Range	0 to +40 °C
Machine Dimensions (L × W × H)	5.4 × 2.5 × 2.4 m
Machine Weight	3,500 kg
Supported Bottle Cross-Sections	Round, Square, Oval, and Integrated Handle



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