

Automatic PET Bottle Blow Molding Machine

This automatic blow molding machine is designed for the high-efficiency production of plastic bottles and containers. It integrates preform loading, heating, blowing, and ejection into a single automated system, ensuring consistent quality and minimal intervention.



ADDITIONAL IMAGES



Overview

High-Efficiency Automatic Production

The HZ-3000-4 is a fully automatic blow molding machine engineered for high-volume production of PET bottles and containers. It integrates preform loading, heating, and blowing into a single automated cycle, significantly reducing labor costs and human intervention. With advanced energy-saving technology and a high-speed cavity design, this machine offers a theoretical output of up to 4000 bottles per hour, making it an ideal solution for scalable manufacturing environments.

Performance Metrics

Theoretical Output

4000 BPH
Output

Number of Cavities

4

Bottle Specifications

Container Dimensions

Parameter	Value
Max Neck Diameter	38 mm
Max Container Diameter	115 mm
Max Container Height	340 mm
Max Container Volume	2.25 L

Technical Specifications

ITEM	unit	HZ-3000-4
NO.of cav	Cavity	4
Theoretical output	Pcs/h	4000
MAX container volume	L	2.25
MAX neck diameter	mm	38
MAX container diameter	mm	115
MAX container height	mm	340
Heating power	KW	50
Operating low pressuer	Mpa	0.8
Blowing pressuer	Mpa	3.5
Machine dimension	M	3.5 x 1.55 x 2.7
Machine weight	Kg	4000
Conveyor dimension(LxWxH)	M	1.5 x 0.85 x 2.2
Conveyor weight	Kg	300

Technical specifications and operational parameters for the HZ-3000-4 series.

Air Pressure Requirements

Type	Pressure
Operating Low Pressure	0.8 Mpa
Blowing Pressure	3.5 Mpa

Heating Power	50 KW
Machine Dimensions	3.5 x 1.55 x 2.7 M
Machine Weight	4000 Kg

Features

Key Features

- Energy-efficient hanging-heated preform design
- High-speed blowing with optimized center distance
- Direct integration with filling lines
- Advanced Micro PLC controller for stability
- Special mould locking system for air efficiency