

Automatic PET Bottle Blowing Machine

This machine utilizes a human-computer interface to manage working procedures, including auto-loading, auto blowing, and auto dropping. Action cylinders are assembled with magnetic induction switches.



Overview



High-Efficiency Automatic PET Blowing Solution

This automatic PET bottle blowing machine utilizes a human-computer interface to manage the entire production cycle, including auto-loading, blowing, and dropping. Designed for versatility, it supports 1 to 6 cavities and can produce containers ranging from 0.2L to 30L. It is an ideal solution for manufacturing carbonated, mineral water, cosmetic, and pesticide bottles using PET or PP materials.

Key Performance Metrics

Performance Highlights

6500 Pcs/h

Max Theoretical Output

6 qty

Maximum Cavities

30 L

Max Container Volume

Technical Specifications



Model Performance Comparison

Item	Unit	TSP-3s	TSP-4s	TSP-6s	TSP-3-7
Theoretical Output	Pcs/h	4500	5500	6500	1800
Max Volume	L	1.5	1.5	1.5	7.0
Max Height	mm	360	360	360	360

Control System

Human-Computer Interface (HMI)

Automation Level

Fully Automatic (Loading, Blowing, Dropping)

Operational Features



System Characteristics

- Advanced PLC control for stable performance
- Infrared preheater with rotating bottle rails for uniform heat distribution
- Adjustable light tubes and reflecting boards for various preform shapes
- Automatic thermostatic apparatus for constant preheating temperature
- Security automatic-locking apparatus for mechanical safety
- Eco-friendly air cylinder drive reduces noise and eliminates oil contamination

Production Scope

Applicable Bottle Shapes

- Carbonated Beverage Bottles
- Mineral Water Bottles
- Pesticide Containers
- Cosmetic Packaging
- Wide Mouth Jars
- Hot Filling Containers

Supported Materials

PET, PP, Crystalline Plastics

Compliance & Quality



Quality Standards

CE • ISO 9001 • UL • CQC