

# 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