

Automatic Plastic Thermoforming Machine

This high-speed automatic thermoforming machine is designed for efficient plastic packaging and container production. The machine integrates sheet feeding, heating, forming, cutting, and stacking processes with a user-friendly interface and precise control.



Overview

High-Performance Thermoforming Solution

The PPBG-600 is a high-speed automatic thermoforming machine engineered for the efficient production of disposable plastic packaging, including lids, clamshell boxes, plates, and trays. Designed for versatility, it supports a wide range of materials such as PP, PS, PET, PVC, and PLA. This integrated system combines sheet feeding, heating, forming, cutting, and stacking to ensure precise output with minimal waste.

Performance Metrics

Key Performance Indicators

40 Cycles/min

Max Cutting Speed

80 mm

Max Forming Depth

68 KW

Total Power

Technical Specifications

Forming Capabilities

Parameter	Value
Max Material Width	580mm
Max Forming Width	550mm
Max Forming Length	400mm
Material Thickness	0.1mm - 1.5mm

Compatible Materials

PP, PS, PET, PVC, PLA

Infrastructure Requirements

Power Requirements

- Heating Power: 48KW
- Motor Power: 18KW
- Total Machine Power: 68KW
- Voltage: 380V / 50HZ (Three-phase and four-wire)

Utility Requirements

- Water Pressure: 0.2MPa
- Water Consumption: 0.3m³/h (Circulating cooling water)
- Air Exhaust Volume: e1m³/min
- Air Pressure: 0.6-0.8MPa

Physical Dimensions

Dimensions & Weight

- Install Size: 6000 x 1800 x 2100mm
- Packing Size: 5670 x 1900 x 2200mm
- Total Weight: 6500KG