



PF-S31

Automatic Multi-Stations Thermofforming Machine

An ideal pressure forming production line achieves the best results with minimal quantities, integrating molding, cutting, and stacking in a single process.

■ Raw Material Conveying System

Precise and rapid automatic loading and unloading.

■ 3-meter-long Heating Oven

Top and bottom ovens with separate zones for localized temperature adjustments. Cooling device in the middle partition prevents temperature dispersion, enhancing precision control.

■ Main Molding Forming Unit

Low-temperature forming, perfect quality, and equipped with mold lifting mechanism for labor-saving and energy-efficient benefits.

■ Cutting Machine

Accurate cutting of finished products' shape.

■ Automatic Stacking Mechanism

Quantity and stacking can be set according to production capacity requirements.

■ Discharge Mechanism

Option to choose front discharge or side discharge.



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Suitable Materials

PS
PE
PP
OPS
PLA
CPLA
PET
HIPS
EPS
ABS
PVC

Specification

Forming Area (mm)	Max.800 Min.600
Film Thickness (mm)	0.2 - 1.8
Film Width (mm)	Max.810 Min.600
Mold Height (mm)	200 - 400 (upper mold+ bottom mold)
Clamping Force (ton)	40
Molding Type	Pressure Forming and Vacuum Forming
Operation System	Automatic human-machine touch screen interface
Machine Size (mm)	W 13950 D 4020 H 3120
Machine Weight (ton)	24 TON Power 70 HP



Feature



Low-Temperature Forming

Strong air compression, low-temperature molding. Internal cooling prevents deformation, ensuring quality while saving energy.



High-precision Temperature Control System

Our system ensures accurate temperature regulation and compensation using PID control with SSR configuration. The edge preheating system improves production yield, while automated heating shutdown based on material length conserves energy by 35-40%.



Automation and Intelligence

From feeding and molding to data collection and cloud-based management, our systems embody the demands of an era driven by automation and intelligence.



Automatic Oven Retraction Function

In the event of material overheating or sagging, the oven retracts automatically to ensure safety.

SCPT
M A C H I N E R Y

Since 1978

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