

# EPS Thermocol Plate Making Machine

This machine is designed for efficient production of styrofoam plates. It features a fully automated system for fast mold changes, enhancing productivity and reducing downtime.



## ADDITIONAL IMAGES



## Overview

### High-Efficiency EPS Plate Production

This fully automatic EPS thermocol plate making machine is engineered for high-volume, precision manufacturing with a focus on energy efficiency and rapid changeover times. It features an advanced heat insulation system that reduces steam consumption by 30% and an integrated energy recycling system that cuts vacuum power usage by over 50%. Designed for reliability and safety, the machine utilizes high-strength steel construction and a triple-interlocking safety system to ensure consistent, high-quality production of EPS foam products.

## Mechanical Construction

### Guide Rod Specifications

**100 mm**  
Diameter

**4 pcs**  
Quantity

### Material & Build

- 45# Steel guide rods with high-frequency quenching
- 0.04-0.06mm Hard chromium layer thickness
- High-strength steel plate templates
- Gas shielding welding with high-temperature annealing

## Steam & Heating System

Steam Efficiency	30 % savings
Steam Valve Control Accuracy	±0.2 bar

## Vacuum & Cooling

Vacuum Power Reduction	50 %
Product Moisture Content	d 7%
High Temperature Demoulding	75 °C

## Operational Features

### Hopper Configuration

Feature	Specification
Type	Vertical Double Hopper
Discharge Holes	18 per hopper
Connector Size	DN25

Mold Change Time	30 minutes
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## Control System

Control System Capabilities	PLC Controlled, Real-time Monitoring, Fault Alarm System, Network Management Ready, Triple Interlocking Safety
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