

Automatic EPS Polystyrene Foam Block Molding Machine

This automatic EPS polystyrene foam block molding machine is designed for producing styrofoam plates and decorative foam blocks. The machine integrates advanced technology for efficient and precise molding, featuring automated processes to enhance productivity and reduce manual labor.



ADDITIONAL IMAGES



Overview

High-Efficiency EPS Block Molding

This automatic EPS polystyrene foam block molding machine is engineered for high-volume production of insulation boards, decorative panels, and packaging materials. Featuring a robust, heat-treated steel frame and advanced automated control systems, it ensures consistent product quality and long-term durability. The vertical frame design optimizes floor space while providing excellent drainage to reduce block moisture content.

Technical Construction

Frame Material	Welded rectangular tubes and steel plates
Surface Treatment	Heat-treated, Sand blasted, Anti-corrosion

Control System

Automation Capabilities

- Automatic material level sensing
- Foam pressure sensor cooling control
- Fully automatic molding process

PLC Control	Mitsubishi PLC
Touch Screen	Schneider

Performance Metrics

Steam Savings

20 %

Steam Consumption Reduction

Safety & Compliance

Safety Standards

ISO-standard valves • Triple gauge monitoring • Pressure tested

Design Configuration

Design Advantages

- Reduced floor space footprint
- Improved drainage performance
- Lower moisture content in blocks

Frame Configuration

Vertical