

EPS Wall Panel Production Line

This machine produces various sizes and types of wall panels, including those with LECA, EPS, or foam cores, and with or without surface boards. It is engineered for high efficiency and precision, ensuring consistent panel quality and dimensional accuracy.



ADDITIONAL IMAGES



Overview

Advanced EPS Wall Panel Manufacturing

This automated production line is designed for the efficient manufacturing of lightweight EPS sandwich wall panels, utilizing a vertical casting process. The system integrates seven distinct working sections, including material batching, mixing, filling, and curing, to ensure consistent quality and high output. Engineered for modern construction requirements, it supports the production of fire-resistant, sound-insulated, and waterproof panels suitable for various building applications.

Production Capacity

Annual Output Capacity

100000 sqm

Minimum Output

600000 sqm

Maximum Output

Mold Cars Per Line

30 units

Panel Specifications

Standard Panel Dimensions

Dimension	Value
Length	2440 mm
Width	610 mm
Thickness	50-200 mm

Technical Performance

Key Performance Indicators

- Fire Resistance: >3 hours (for 90mm panel)
- Sound Insulation: >40 dB
- Water Absorption Rate: 3.3%

Infrastructure Requirements

Facility Requirements

Requirement	Specification
Workshop Area	1200-2000 sqm
Ceiling Height	9 meters
Installed Power	100 kW
Water Usage	1 ton per 100 sqm

System Features

Production Process Steps

EPS Expanding, Batching, Mixing, Electronic Control, Filling, Curing, Demolding