

Automated EPS Sandwich Panel Production Line

This automated production line manufactures EPS (Expanded Polystyrene) sandwich panels. The system integrates material feeding, profiling, bonding, cutting, and stacking processes.



ADDITIONAL IMAGES



Product Overview

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This advanced production line integrates roll forming and sandwich panel lamination into a single, automated process, eliminating the need for manual lamination. The system combines mechanical and electrical components into an organic whole, featuring a programmable logic controller (PLC) for precise, consistent operation. Designed for high-volume manufacturing, this line supports continuous production of insulated panels suitable for construction, refrigeration, and prefabricated structures.

Performance Metrics

Annual Production Capacity

500000 sqm
Annual Output

Basis for Capacity

8 hours per day

System Components

Laminating System Equipment

- Decoiler
- Feeding system
- Squeezing unit
- Heating system
- Laminating station
- Edge rolling and turnover
- Groove-making
- Edge pruning
- Pneumatic devices
- Automatic cutting
- PLC control

Roll Forming Machine Components

- Feeding system
- Roll forming system
- Cutting system

Certifications

Certifications & Standards

CE, ISO 9001-2000, SGS, UKAS Management