

EPS Sandwich Panel Production Line

This automated production line manufactures EPS sandwich panels. It integrates decoiling, profiling, core insertion, lamination, cutting, and stacking processes.



ADDITIONAL IMAGES



Overview



A complete view of the automated production line showing the integration of material feeding and lamination stages.

Automated EPS Sandwich Panel Production Line

This comprehensive production line is designed for the continuous manufacturing of high-quality insulated sandwich panels. The system integrates multiple automated processes including decoiling, roll forming, core insertion, lamination, and precision cutting to ensure consistent panel quality. Engineered for durability and efficiency, it is an ideal solution for producing wall and roofing panels for construction, refrigeration, and prefabricated building applications.

Technical Specifications

Key Features

Automated • High Precision • Stable Operation • Easy to Operate

Total Power	30 KW
Control System	PLC Control System

Production Capabilities



The roll forming and laminating system ensures strong adhesion between the metal sheets and the EPS core.

Production Speed

2 m/min

Min Speed

4.5 m/min

Max Speed

Compatible Core Materials

EPS, Rock Wool, Glass Silk Floss

Plate Thickness

0.3 - 0.8 mm

Core Thickness

20 - 300 mm

Dimensions & Weight



Robust structural framing and conveyor system designed for high-volume, continuous panel production.

Total Weight

25 ton

Overall Dimensions

35000mm (L) x 2500mm (W) x 2600mm (H)

Process Flow



Visual representation of the production workflow from steel feeding to final composite board cutting.

Production Workflow

- Composite Decoiler
- Roll Forming
- Laminating System (Ribbon, Gelatinizing, Heating, Compounding)
- Crimping & Notching
- Edge Trimmer
- Cutting System
- Runout Table