

EPS Sandwich Panel Production Line

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



ADDITIONAL IMAGES



Overview



High-performance production line for efficient and precise manufacturing of insulated panels.

Automated EPS Sandwich Panel Production Line

This high-performance production line is engineered for the continuous manufacturing of insulated sandwich panels, widely utilized in construction for roofing, walling, and cladding. The system integrates advanced decoiling, roll forming, and lamination processes to ensure consistent panel quality and high production efficiency. Equipped with a precise PLC control system, it offers stable operation and high precision, making it an ideal solution for large-scale industrial panel fabrication.

Technical Specifications



Robust steel frame construction with integrated roller systems for material handling.

Plate Thickness

0.3 mm

Min Thickness

0.8 mm

Max Thickness

Core Thickness

20 mm

Min Core

300 mm

Max Core

Compatible Materials

EPS, Rock Wool, Glass Silk Floss

Total Power

30 KW

Total Weight

25 ton

Overall Dimensions

35000mm x 2500mm x 2600mm

Performance



Automated system integrating decoupling, profiling, and EPS core insertion.

Production Speed

- Fastest: 4-4.5m/min
- Slowest: 2-2.5m/min

Control System

PLC Controlled • High Precision • Automated

Workflow



The equipment workflow showcases the key stages from steel feeding to the final composite board cutting.

Manufacturing Process

| Stage | Process |
|--------|---|
| Step 1 | Composite Decoiler |
| Step 2 | Roll Forming |
| Step 3 | Laminating (Ribbon, Gelatinizing, Heating, Compounding) |
| Step 4 | Finishing (Crimping, Notching, Edge Trimming) |
| Step 5 | Cutting System |
| Step 6 | Runout Table |