

Polyurethane Sandwich Panel Production Line

This automated system produces polyurethane composite panels. It integrates uncoiling, profiling, foaming, curing, cutting, and stacking processes.



Product Overview

Automated PU Sandwich Panel Production Line

The JF100 is a fully automated production line engineered for the efficient manufacturing of high-quality PU sandwich panels. Integrating advanced mechanical, chemical, and electrical control systems, this line ensures precise foaming and solidification processes for superior thermal and acoustic insulation. Designed with a focus on environmental sustainability, it utilizes modern foaming agents while providing high throughput and consistent panel dimensions for construction and refrigeration needs.

Production Capabilities

Key Performance Indicators

8 m/min

Max Production Speed

16000 mm

Max Panel Length

300 kW

Total Power

Technical Specifications

Panel Dimensional Capacity

Dimension	Range (mm)
Panel Length	2000-16000
Panel Width	600-1200
Panel Thickness	30-200

Compatible Materials

Color Steel Sheet, Galvanized Sheet, Aluminum Sheet

System Features

Core Advantages

- High-pressure foaming system for precision and stability
- Environmentally friendly foaming agents (141B or C5)
- PLC computer-controlled operation system
- Special double belt conveyor for flat, even thickness
- Heated air recycle oven for temperature control

Panel Attributes

Thermal Isolation • Sound Isolation • Flame Retardence