

Fully Automated Metal Panel Continuous PU Sandwich Panel Production Line ISO9001 Approved

Our Product Introduction

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Basic Information

- Place of Origin: Jiangsu, China
- Brand Name: Hangzhou Maxwell
- Certification: CE, ISO9001
- Model Number: PU Sandwich Panel--001
- Minimum Order Quantity: 1 SET
- Price: USD550,000-USD1,200,000
- Packaging Details: Nude Packaging in a 40 feet container
- Delivery Time: 60 work days
- Payment Terms: T/T, L/C
- Supply Ability: 5 Set/Sets per Month



Product Specification

- Applicable Industries: Hotels, Garment Shops, Building Material Shops, Printing Shops, Construction Works, Energy & Mining, Food & Beverage Shops, Advertising Company, Manufacturing Plant, Machinery Repair Shops, Food & Beverage Factory, Others
- Name: Continuous PU Sandwich Panel Line
- Suitable Forming Material: Color Steel Or Galvanized Steel Sheet
- After-sales Service Provided: Engineers Available To Service Machinery Overseas, Online Support, Free Spare Parts
- Thickness Of PU Panel: 30-80mm
- Production Line Speed: 3-7m/min (Adjustable)
- Warranty: 1 Year
- Total Line Length: About 100m
- Highlight: **Continuous PU Sandwich Panel Production Line**
ISO9001 Continuous Sandwich Panel



More Images



Product Description

Fully Automated Production Line Metal Panel PU Sandwich Panel Continuous Production Line

Heat Preservation And Flame Retardant Metal Panel PU Sandwich Panel Continuous Production Line

PU sandwich panels represent the latest decorative wall and roofing materials, trendy in steel structures. These panels excel in providing thermal insulation while also enhancing aesthetic appeal. They are a unique solution that combines protection, decoration, and insulation, making them the preferred choice for modern wall construction.



PU sandwich panel production line integrates multiple technologies, including mechanical, chemical, electrical control, hydraulic, pneumatic, and temperature control systems. It is a multifunctional fully automated production line that combines uncoiling, film coating, cutting, forming, preheating, foaming, curing, cutting, stacking, conveying, and packaging into one seamless operation.

Components of line:

No.	Name	Unit	Qty
1	Uncoiler System	set	1
2	Roll Forming Machine System	set	1
3	Plate Preheating Furnace	set	1
4	High-Pressure Foaming System	set	1
5	Double Crawler	set	1
6	Double Crawler Heating System	set	1
7	Cutting System	set	1

Main Parameter

Width	1000—1130mm (according to specific profile)
Thickness of PU Panel	30--80mm
Thickness of raw material	0.3-0.8mm
PU Foam Raw Material	Polyether and isocyanate, foaming from 141B
Production Line Speed	3—7m/min(Adjustable)
Control Way	PLC Control System(Siemens)

Uncoiler System

The adjustment of the uncoiler is completed by pushing and pulling the hydraulic cylinder and moving it in a straight line on the guide rail. This function is used in the production line center adjustment and change of plate type specifications.



Loading Cart

The loading cart can stop at any time when moving laterally and lifting up and down, and it has self-locking position protection when parking.



Forming System

The forming machine system consists of an upper forming machine, a lower forming machine, a pressing machine platform placed on the upper pressing machine, and an upper and lower interface track connecting the forming machine with the preheating furnace.



Plate Preheating Furnace

The heating method of preheating a furnace is heating tube heating. The heat source heats the air through the heating tube, and this hot air uniformly heats the steel plate. The hot air in the preheating furnace establishes a heat cycle by itself, and the temperature of the hot air can be adjusted.



Double Crawler System

The function of the upper and lower crawler is mainly to overcome the foaming pressure generated by polyurethane foam to cure and form, and determine the thickness of the composite plate and the speed of the production line; The function of the sideband is to overcome the transverse expansion force generated by polyurethane foam, determine the width of the composite plate, and play a precise guiding role in the production process of the composite plate; As an active mold for continuous operation, the double track needs to avoid plate deformities and surface scratches to ensure high-quality composite plates.



Cutting System

The main function of the band saw machine is to automatically measure the length of the board according to the required board length and set the corresponding parameters by the user. The band saw machine automatically cuts the continuous finished board without stopping the production line. It also absorbs the dust generated during cutting.



Packaging and Shipping

1. Anti-corrosion oil is sprayed during transportation to prevent oxidation of the machine
2. Packaging isolation film to prevent machine oxidation during transportation
3. Fixed on the container with wire to prevent damage to the machine during transportation



Terms of Trade


1. Minimum order quantity (MOQ): 1 set
2. Delivery time: about 60 workdays

3. Port of loading: port of Shanghai
4. Type of payment: by T/T or by L/C


After-sales Service

1. Technical Support: Our experienced technical team is available to provide assistance and guidance on product installation, operation, and maintenance.
2. Spare Parts Supply: We maintain a stock of genuine spare parts to quickly solve any equipment issues and minimize downtime.
3. Training Programs: We offer training programs for your staff to ensure they are proficient in using and maintaining our equipment effectively.
4. Warranty Coverage: The warranty is one year after the client receives the machine. All our products come with a warranty period, during which we provide prompt repair or replacement services for any defects covered under the warranty terms.
5. Regular Maintenance: We recommend and offer scheduled maintenance services to keep your equipment in optimal condition and maximize its lifespan.
6. Customer Feedback: We value your feedback and continuously strive to improve our products and services based on your input.

 **Maxwell** Hangzhou Maxwell Machinery Equipment Manufacturing Co., Ltd

 0086-19560190257

 info@hzmaxwellmachine.com

 roll-formermachines.com

Building 2, No.6, Zhuluo East Road, Linpu Town, Xiaoshan District, Hangzhou City, Zhejiang Province