



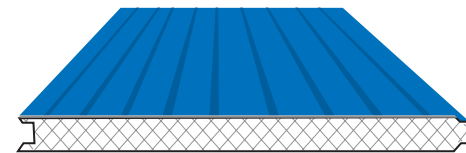
3D PANEL PRODUCTION LINE

3D Panel is a kind of three Dimensional Lightweight Structural panels, consisting of a super-insulated polystyrene core and nettings on both sides. It is an environment friendly product. Furthermore, 3D Panel can save construction time while providing greater structure integrity. A prosperous future is surely coming with more and more extensive applications of this green and excellent product.

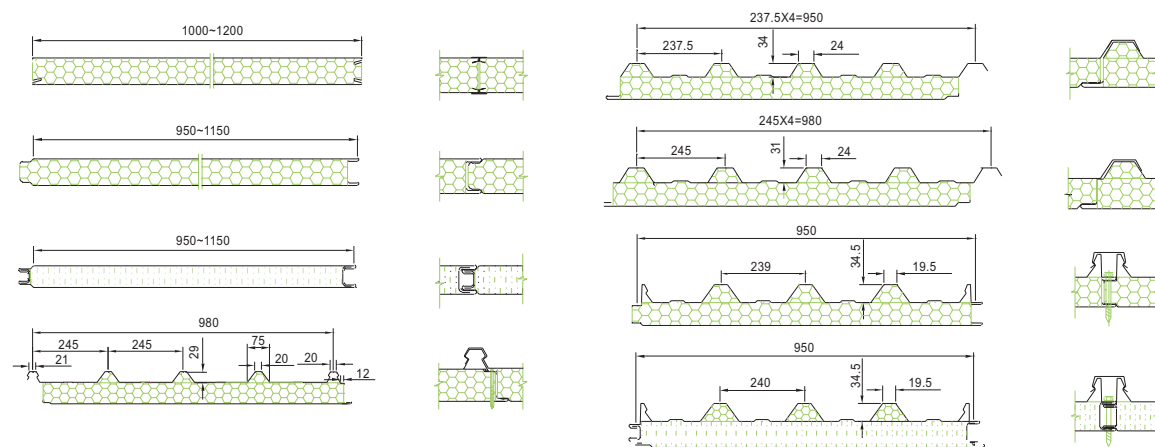
SANDWICH PANEL LAMINATION LINE

Sandwich panel is fabricated by metallic facings and insulation materials (polyurethane foam, rock wool, polystyrene or others), which is an ideal combination of physical, mechanical and construction properties. The strength of sandwich panel lies in modularity, low weight, high degree of prefabrication, insulation properties and cost efficiency.

Sandwich Panel Lamination Line is composed of three main sections: the metal facers processing equipments, laminator and the cut handling.

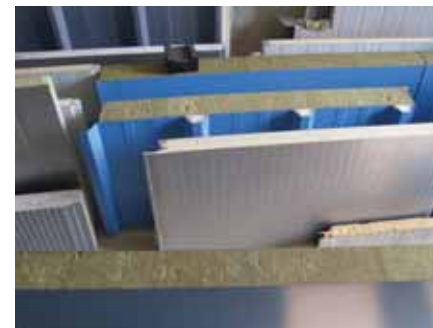


Panel Drawings



Main Parameters

ITEM	HIM-SP-5	HIM-SP-6
Capacity, m ² /h	100~280	100~280
Speed, m/min	0~4.5	0~4.5
Power, kw	30	35
Net Weight, mt	18	22
Dimension, m ³ (not include run out table)	37 x 2.3 x 2.5	40 x 2.3 x 2.5



Characters of 3D Panel:

1. Light: Compared with traditional walling materials, 3D panel reduces building cost largely.
2. Convenient and fast: Pre-treated 3D Panels dramatically save working time and transportation charges.
3. Thermal insulation: 3D Panel can reduce the energy leakage.
4. Sound insulation: 3D Panel supplies a cozy living place.
5. Fireproof: 50mm thickness 3D Panel could endure fire for about 1.5 hours.
6. Comprehensive functions: Quakeproof and windproof

Advantages of Our Production Line:

1. Low defective welding rate, less than 3%.
2. High production speed, 500 m² per 8 hours
3. Wide-range options of steel wires:
Specs I: 2.0-2.5mm Specs II: 2.5-3.0mm
4. Monolayer and double-layer panels are available, according to requirements.
5. Microcomputer control system: inching, single-step, automation. The system is convenient, precise, efficient and maintenance-free.
6. High-quality pneumatic and electrical organs and Mitsubishi PLC.

Final Products Specification:

ITEM	PARAMETER
Mesh Size, mm ²	50 × 50
Length, mm	2400~3000
Width, mm	1220
Thickness, mm	76~126
Thickness of EPS Core, mm	50~100
Diagonal Wire Diameter	Φ2.0~Φ3.0

Main Parameters:

ITEM	PARAMETER
Workshop Area (LxW), m ²	32 x12
Power Source	380V±(5%-10%)
Installed Power, kw	160
Speed of Diagonal Steel Inserting, m ² /h	60-70
Speed of Netting Welding, m ²	120~140
Welding Time, ms	20 ~160
EPS Requirement	Density:15±1kg
	Fireproof
	Oxygen Index ≥30%

