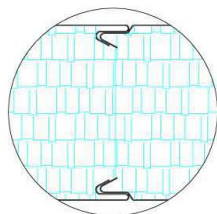
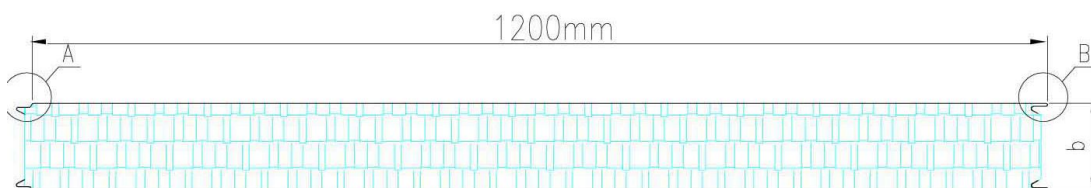


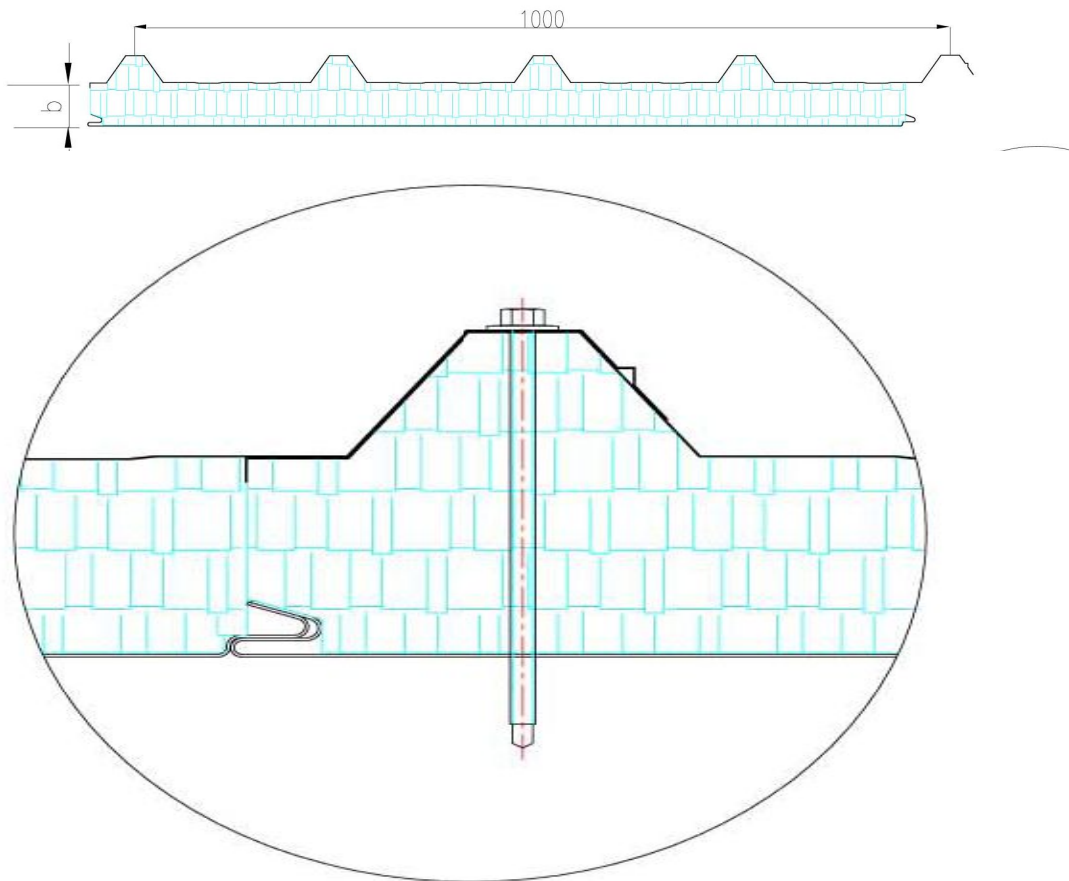
## EPS Sandwich Panel Machine Line



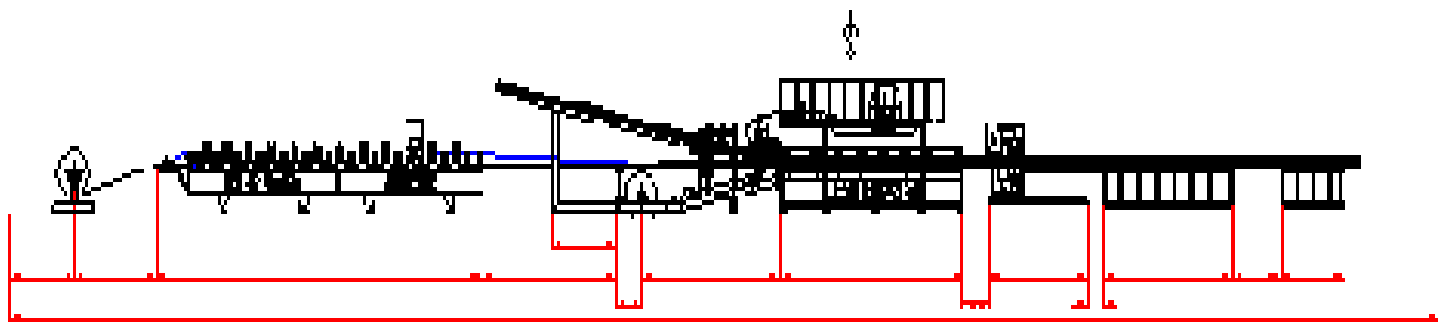
### A. Panel Drawings:



### 3. Roof panel



### B. Working Flowing:



### C. Equipment Summary

EPS sandwich plate compound production line can compound the corrugated compound plates

for once. The whole set production line is composed of the feed unrolling system, molding system, cutting device, compounding system (rib pressing, glue coating, heating, compounding, flanging, notching, trimming, pneumatic and automatic cutting). The whole process is computer-controlled. It is the necessary equipment for producing the faceplates and wallboards for industrial workshops and warehouses.

#### **D. Character**

- 1) Sandwich panel machine line adopts advanced technology integrating pneumatic, electric and mechanical technologies. It is the special machine for the production of the heat insulated color-steel sandwich panels.
- 2) The operation speed of Sandwich panel machine line is stepless computer-controlled to realize the stable operation speed and simple operation of the production line.
- 3) The length of this production line can be controlled by the computer system based on the user's requirements. The computer system has precise orientation and has timed display on the touch screen. And it has automatic counting and correcting.
- 4) The shapes of the corrugated compound panels can be designed and modified according to user's requirements so as to satisfy needs of different users.
- 5) We can design machine which can produce different types of plates.

#### **E. Main Parts**

Decoiler  
Roll Forming Machine  
Feeding Guide  
Press Machine  
Cutting Device  
Electrical System  
Hydraulic Station  
Run Out Table

#### **F. Technical Parameters**

Total Power: about 30KW  
Production Speed: 0-4.5m/min  
Equipment Overall Dimensions: 38000x2600x2800mm  
Annual Output: 600000M<sup>2</sup>  
Panel Thickness: 50-250mm

##### **1) Raw Material:**

Coiled Steel: 0.4-0.6mm or 0.5-0.7mm base metal Colorbond, aluminium, Stainless steel(0.4mm only) with Width 1260mm

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Core Material: EPS Foam ( EPS Polystyrene )

2) **Decoiler:** Manual Decoiler

Capacity of Decoiler: 5 Ton

3) **Roll Forming Machine**



Roll Forming Steps: about **15** steps

Dimension of the machine: About 8000mm\*1500mm\*1200mm

Material of Axis: High grade 45# steel

Diameter of Axis: 50mm

Material of Roller: High grade 45#, polished and coated with 0.05mm Chrome Surface.

Material of Machine Frame: A3 Steel, thickness 16mm

Type of forming machine: 1' chain transmission

4) **Press Machine:**



Length: about 8500mm

Height: 2800mm

Power Supply: AC415V/50-60HZ,3Phaz

Panel width: 1000mm, 1200mm

Panel Thickness: 50-250mm

Rubber Roller

Support Roller

Glue-dropping & glue mixing device

Glue Pump Group

Full Set for small ribs

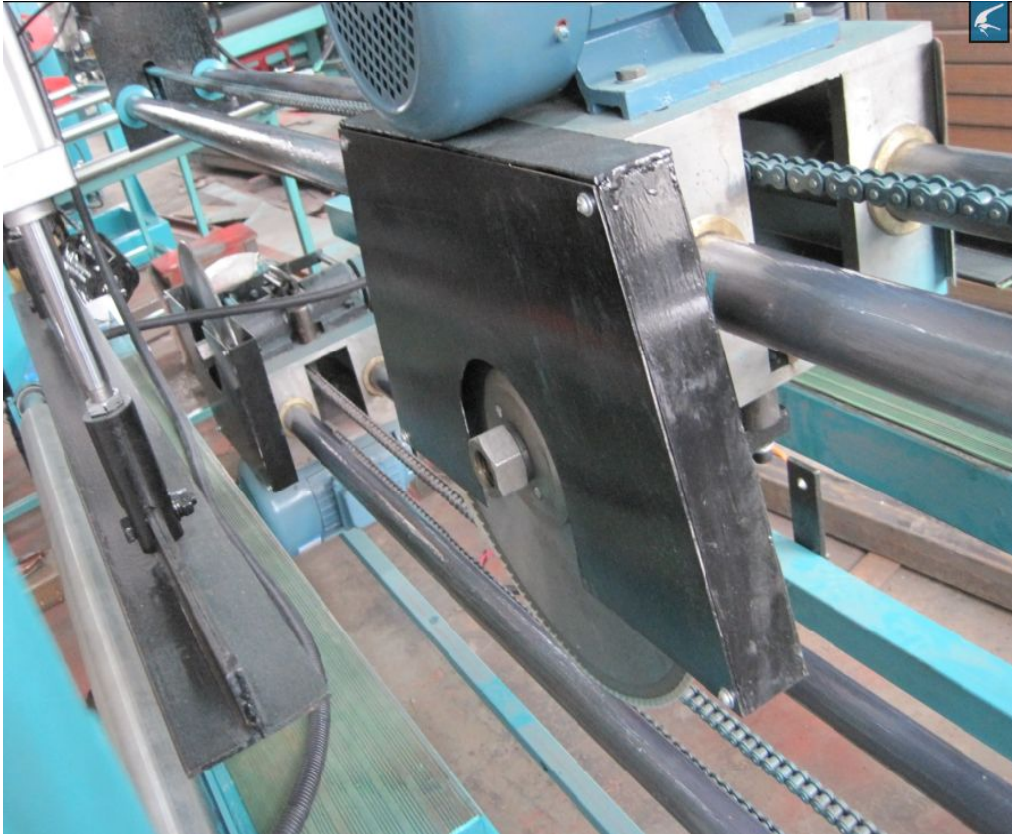
Curved Crimping Device

Cutting knife for upper steel shet

Ladders

Japanese Omron PLC Control System

## 5) Cutting Device



Cut Off Module: Silent Knife Cutting & Bandsaw  
PLC Control System with touch screen  
Cutter device can move around  
Length: about 6000mm

## 6) Run-out Table



Length: 4000mm or 6000mm  
Support Rollers

## 7) Electrical Control System

