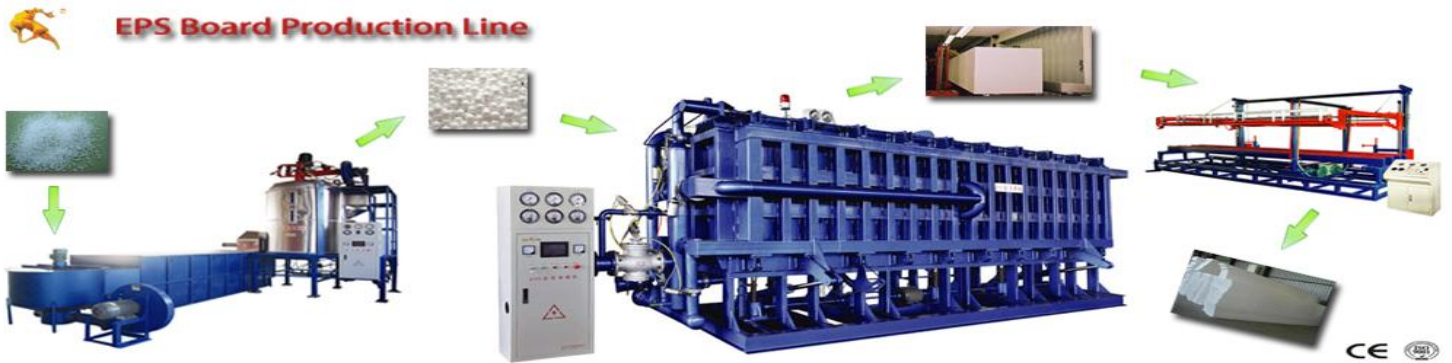
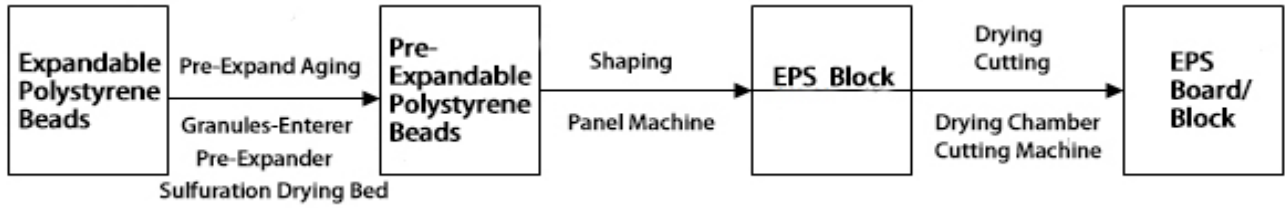


EPS Panel/Board Production Line



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Simple Production flow chart:



Main Equipment :





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Composition of the production line

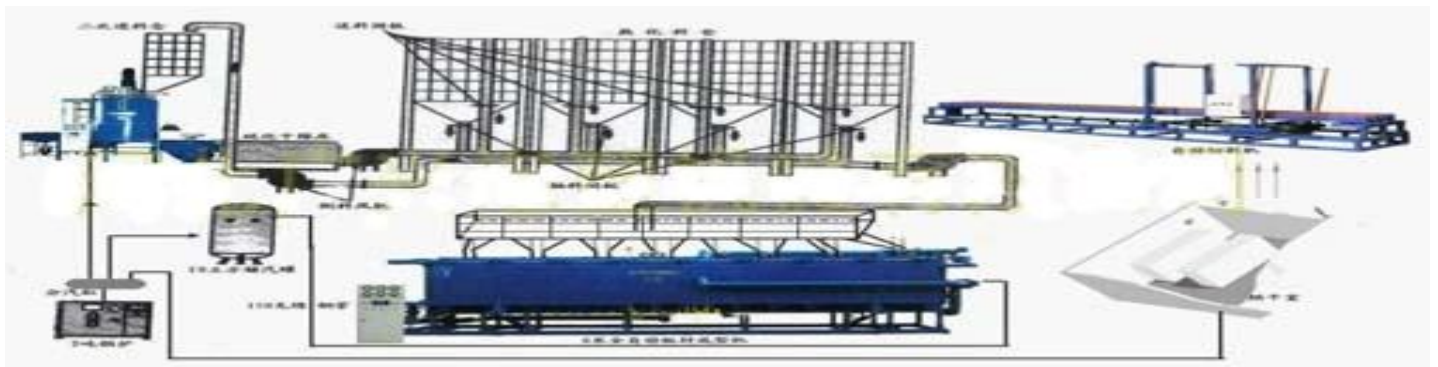
The production line is consisted by the following units and fittings

Item	Name	Product Description/Picture/		
1	PSF140 Foaming Machine			
2	PSB-Q600 Block Moulding Machine			
3	Automatic Cutting Machine			
4	Silo			
5	Automatic steam boiler			
6	Steam tank (10-15m ³)			
7	Air compressor (3m ³)			

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8	Air tank (3m ³)			
9	Fan (3KW-4KW)			
10	159 Seamless Steel Tube			
11	Silo Pipe			
12	Transformer	80KVA		
13	Drying Room			

Main technic process of the production line (Technology flow):



Production Technics Flows Description (in text):

1) Pre-expand

The volume of the EPS foam beads will rapidly expand with steam heating, then form a foam that do not communicate with each other. The density of EPS foam beads will determine the EPS board's density.

Then the EPS foam beads will be put to curing, drying and cooling.

2) Molding

The curing EPS foam beads will be put into the panel machine, then the curing EPS foam beads will be bonded together to form a plate under heating and pressurizing in the panel machine chamber.

3) Aging and Cutting

Placing the shaped EPS plates in the drying chamber for drying and curing,

The EPS plates (completed the aging process) will be cut to the desired size and shape on the cutting machine (with electric heating wire).

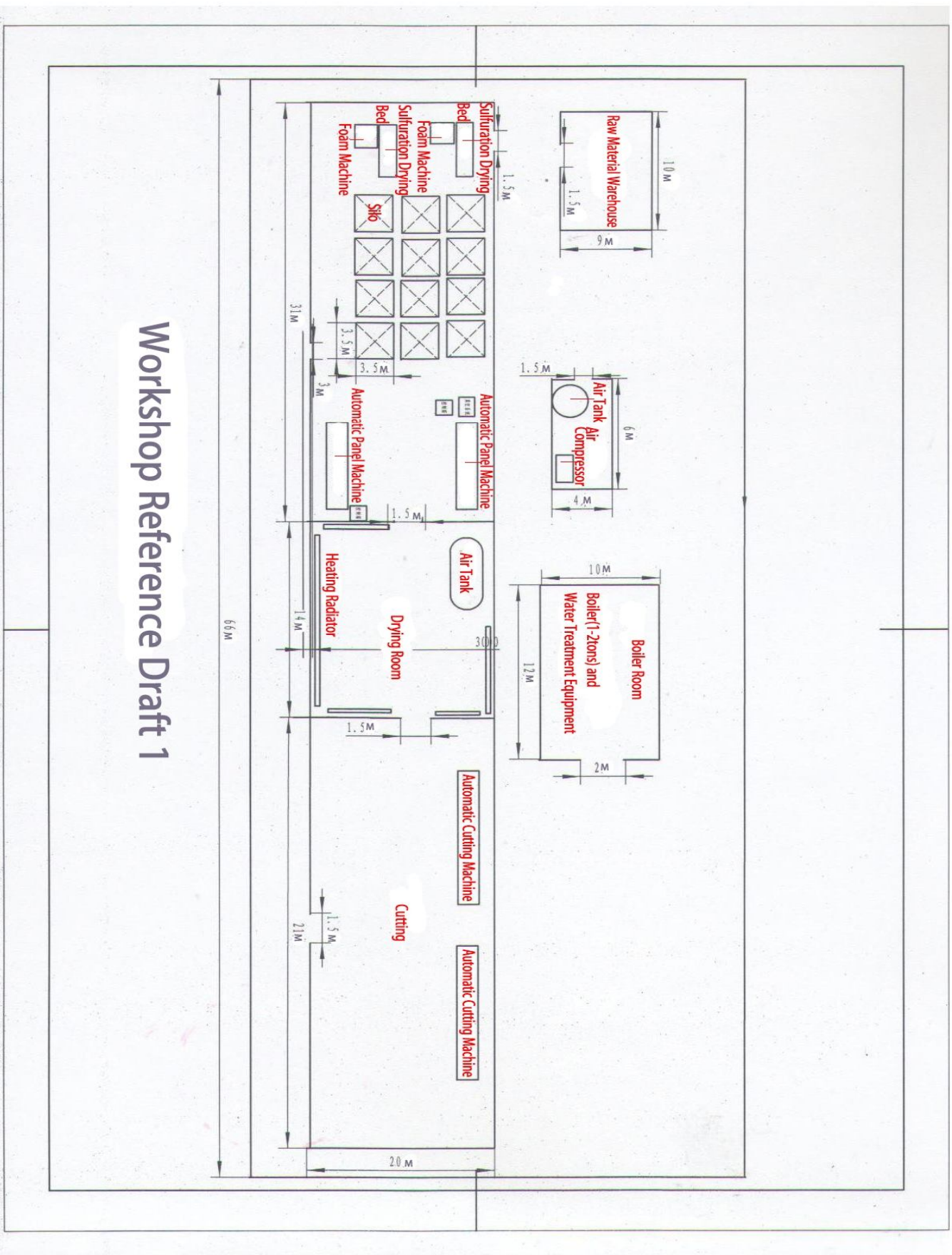
Workshop:

The workshop is steel platforms. The total acreage is 600-1500 square meters.

We can design the dimension of workshop as customer's requirement.

The workshop draft is as below (For Reference)

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The final product s' (EPS Polystyrene insulation board) basic specifications:

1. Compressive strength ≥ 100 KPa
2. Thermal conductivity ≤ 0.041 W / (m.k)
3. Dimensional stability $\leq 3\%$
4. WVP (ng / (pa.ms)) ≤ 4.5 ng/(pa.m.s)
5. Water absorption $\leq 4(V / V)\%$
6. Breaking bending load N ≥ 25 N
7. Oxygen Index $\geq 30\%$
8. Flame rating: Up to B1 level