



**BROTHERS INDUSTRIALS INC.** ID.: 01895G

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[www.brothersindustrialsinc.com](http://www.brothersindustrialsinc.com) , [infobrothersusa@aol.com](mailto:infobrothersusa@aol.com)

EPS PRODUCTION LINE:

SANDWICH PANEL LAMINATION LINE:



EPS sandwich panel line



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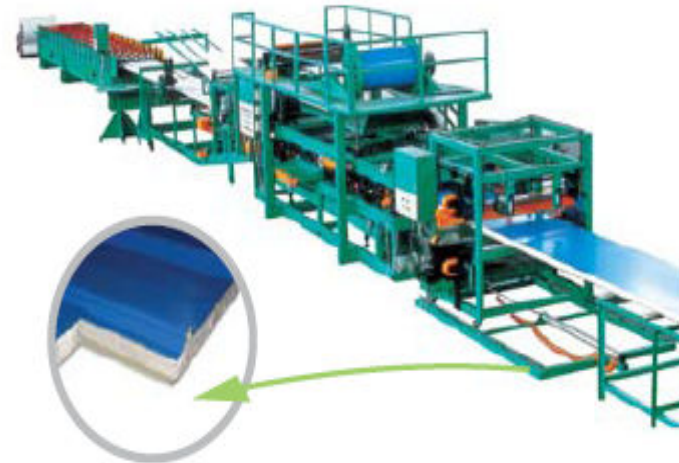
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# SANDWICH PANEL LAMINATION LINE

## 1. Brief Introduction

Sandwich panel is fabricated by metallic facings and the insulation material (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.

The sandwich panel production line is composed by three main sections: the metal facers processing equipments, the insulation material processing equipment and the cut handling.





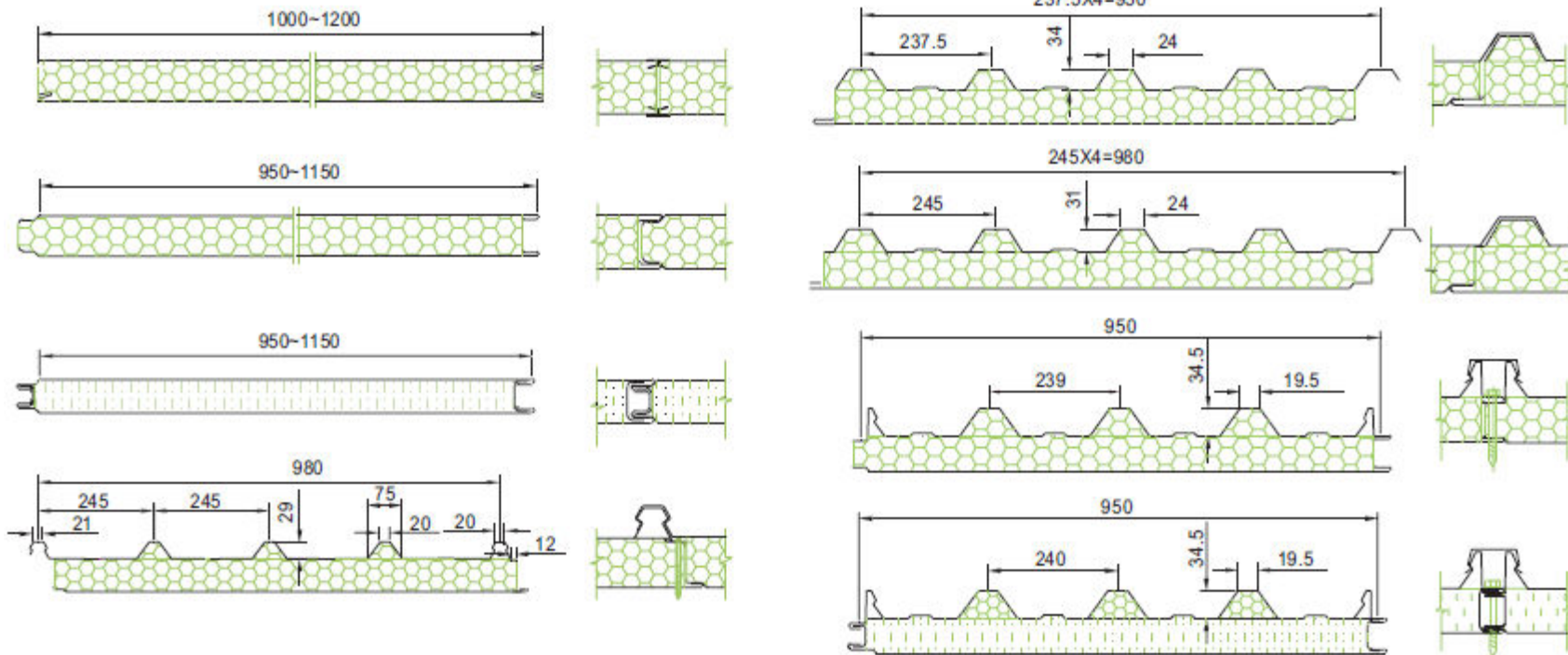
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## 2. Main Configuration

Uncoiler section / Roll forming machine for facers / Lamination section / Cutting unit





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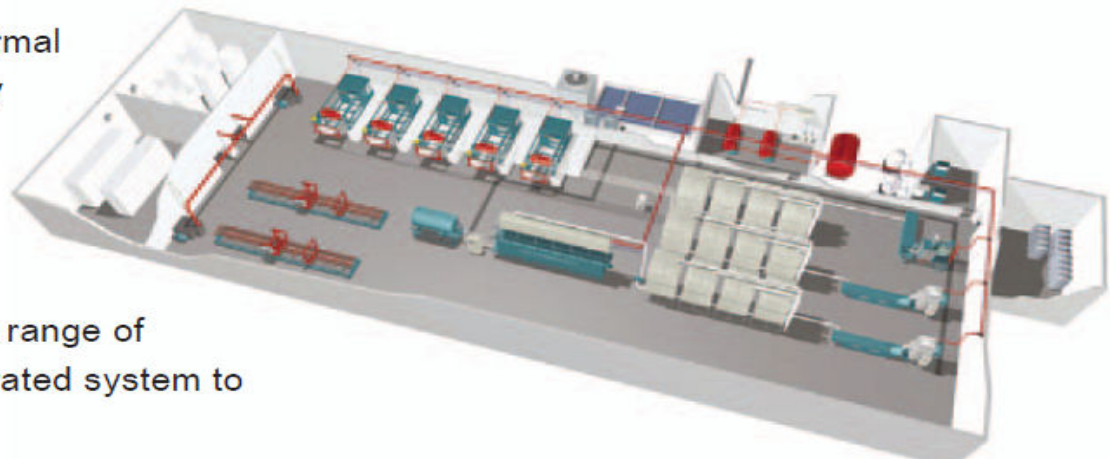
EPS PRODUCTION LINE:

## EPS PRODUCTION LINE



What is EPS? Expandable polystyrene, EPS for short, is manufactured by combining styrene with isobutylene under pressure. When manufacturing EPS products, tiny beads of polystyrene are expanded and consolidated in the process of steam heating and pressure treatment. When heated, the expanding agent enlarges the beads as much as 40 times, after which they are fused by pressure into huge blocks of EPS. These blocks are cured, then cut and shaped to produce a variety of EPS products, bringing lots of benefits to the construction and packing industries.

Features of EPS -- Excellent thermal insulation by dramatically reducing energy requirements. Lightweight strength enables more products to be transported on less fuel. Maximum versatility: cut to panel or moulded, resistant to moisture and compatible with a wide range of materials. Easy to dispose with a integrated system to recycle, reuse, or landfill.





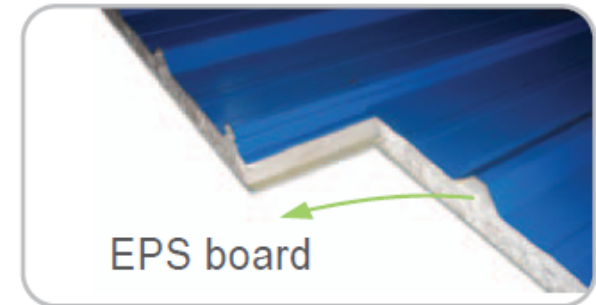
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## Main Configuration

Pre expander / Intermittence Expander / Fluidized Dry Bed / EPS foam Block Mould Machine / EPS foam Cutting Machine / EPS foam Vacuum Shape Mould Machine.



## Main Parameters

Block dimension(mm <sup>3</sup> )	Density (kg/m <sup>3</sup> )	Power (kw)	Weight (kg)
2000×1000×600	6-40	9.5	4000
3000×1000×600	6-40	9.5	5500
4000×1200×600	8-40	11	8000
6000×1200×600	8-40	13	10000
8800×1200×600	8-40	13	15000



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