



# XPS INSULATION BOARD PRODUCTION LINE

## What is XPS?

XPS (extruded polystyrene) insulation board, is a new insulation material, which is a high quality foam product characterized by smooth skin with a closed-cell structure that looks like a mass of uniform bubbles with common walls between them. There are few, if any, voids between the cells, top and bottom skin.

## Features of XPS

Comparing with other traditional insulation materials, such as EPS, PU and Rock wool, XPS is improved in terms of insulation, moistureproof, compressive strength, durability, convenient installation and low cost.

As an ideal material, XPS is widely applied in heat preservation and insulation systems, moistureproof and obstruct systems, with promising potential market.



## Main Configuration

Feeding System / First Extruder / Hydraulic Mesh Exchanger / Second Extruder / Mould / Calibrator / First Haul-off Unit / Longitudinal Cutter / Cross Cutter / Second Haul-off Unit / Controlling System / Packing System



Tiled Surface

XPS Board

Coated Surface

## The Advantages of Our XPS Line:

1. The XPS Insulation Board Production Lines from HiSuccess International (Our Lines) are much cheaper than the lines with same capacities from Europe, only 10% to 20%. The products from both the lines are similar.
2. Our Lines can use 100% recycled materials, such as recycled EPS and GPPS as well as virgin GPPS as raw materials. It can reduce the cost of XPS board very much. The lines from Europe only can use virgin materials. The prices of recycled materials are much cheaper than virgin materials. Our lines are the environment friendly machinery.
3. Our lines also can use CO<sub>2</sub> and Butane as the foaming agent with the top technology, besides HCFC, such as: R22, R142b, or HFC, such as: R152a. Our production line can produce the XPS board free of CFC and HCFC.
4. We can adopt twin screws in the first extruder, as well as single screw. Different combinations with different diameters and sizes in the first extruder and second extruder, we can get different capacities from 200kg per hour to 800kg per hour. It can fulfill the most of clients' requirements.
5. All equipments, including Longitudinal Shiplap Cutting Device, Cross Shiplap Cutting Device, Surface Embossing Device, Surface Grooving Device, Stacking System and Packing System can be online working. Other suppliers have not this technology.
6. We have more than 10 years experience to produce XPS Production Line.
7. Our Lines have the lowest energy consumption in the world.
8. The XPS Lines from HiSuccess International have earned CE Certificate.

## Main Parameters

ITEM	HIM-X-250		HIM-X-500		HIM-X-750		
	1st Extruder	2nd Extruder	1st Extruder	2nd Extruder	1st Extruder	2nd Extruder	
Extruder System							
Screw Dia	mm	135	150	165	200	75x2	200
L/D Ratio	L/D	27:1	33:1	27:1	33:1	32:1	33:1
Driving Motor Power	kw	75	45	90	75	75	9
Heating Power	kw	110		160		180	
Capacity	kg/h	250~300		450~500		700~750	
Product Width	mm	600 (900)		600 (900/1200)		600 (900/1200)	
Product thickness	mm	20~60		20~100		50~120	
Density	kg/m <sup>3</sup>	33~39		33~39		33~39	
Total Power	kw	280		350		380	