

Changzhou Apollo International Trading Co., Ltd

Specialized in **XPS**



Service System of XPS Industry Chain

- XPS Extrusion Line
- XPS Foam Board
- FLame Retardant

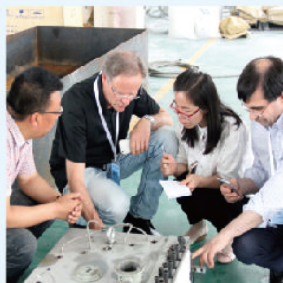
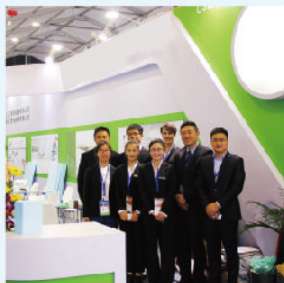


About us

- Focus on manufacturing of XPS polystyrene foam board extrusion line and XPS production technology for over 10 years.
- Master most advanced **CO2 foaming technology** of XPS foam board production in China.
- Highly recommended supplier of XPS foam board production line with CO2 foaming technology for the project of HCFC phaseout program of UN Montreal protocol.



- Professional R&D and Technology team with rich experience working on practical production line



- With complete unit of pre-sale and after-sale technical service team for supplying technical support for customers in time



Model Discription Of XPS Foam Board Production Line

(S – means the 1st stage is single screw extruder, D – means the 1st stage is double screw extruder)

Main extruder	Screw diameter (mm)	Driving motor (kw)	Extrusion capacity (kg/h)	Range of product density (kg/m³)	Thickness range of product (mm)
S90/120	90/120	45/37	150–200	28–36 or higher	20–50
S135/150	135/150	75/55	300–400	28–36 or higher	20–100
S170/200	170/200	200/90	400–600	28–36 or higher	20–100
D65/120	65/120	45/37	200–300	28–36 or higher	20–50
D75/150	75/150	110/90	350–450	28–36 or higher	20–120
D85/200	85/200	132/90	500–700	28–36 or higher	20–150
D95/250	95/250	160/132	900–1200	28–36 or higher	40–200
D110/300	110/300	250/200	1200–1500	28–36 or higher	50–200

Notes: (1st stage screw Recommend to use double–screw is recommended)
Advantage of adopting double–screw :compared with single screw used for 1st stage of extruder, the double screw has more capacity, stable working.

Equipment Components of XPS polystyrene foam board production line



■ Automatic material feeding system

Multi-components weigh-loss type material feeding system
Stable feeding, automatic control



■ Foaming agent injection system

Germany E+H flow meter
CO2 foaming agent injection system
Corporate with Linde or Lewa brand.



■ Main extrusion system

Specially designed double screw for 1st extruder and single screw for 2nd extruder

■ Molding& Calibrating system

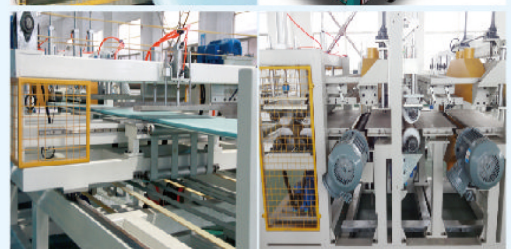
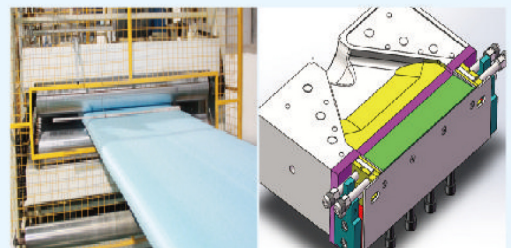
Specially designed die head according to the characteristics of the CO2 foaming technology

■ Downstream equipment system

Product cooling-Surface processing-Product cutting-
Product post processing-Product packaging

■ Electric control system

HMI (Human Machine Interaction)
Precise temperature control
Personalized customization



XPS Extruded Polystyrene Foam board

Three units of XPS production line from Hansu machinery are working for producing XPS polystyrene foam board in the factory.



**Professional Equipment And Technical Support
Guarantee The Perfect Quality of XPS Product**



General specifications of XPS foam baord (GB/T10801.2-2002)		
Item	Unit	Value
Density	Kg/m3	28-60 (based on different compressive strength)
Thickness	mm	20、 25、 30、 40、 50、 60、 70、 80、 90、 100、120
Width	mm*mm	1200*600
Compressive streghth	Kpa	150-800
Water absorption rate of soaking volume	%	≤1.0
Water vapor permeability	Ng/pa.m.s	≤2.0

Features of XPS Foam Board

- Heat insulation, energy saving and environmental protection
- Water-proof, stable performance
- High compressive strength, superior impact
- Long-service life, excellent quality.



Application

- Building wall
- Building roof
- Floor heating
- Cold storage
- Recombination
- Highway railway



Flame Retardant for XPS Production With Fire Raio

Our own production base of Flame retardant for XPS board with fire ratio--**Weifang Polybetter Energy-Saving Technology Co.,Ltd.**

Based on the innovative scientific and technological achievements of Beijing University of Chemical Technology in the field of functional materials.

■ Product Series:

P6-series: HBCD-type Flame retardant

T6-series: Special type flame retardant

P8-series: HBCD-Free type Flame retardant



- P8 series flame retardant is a new type of environmental friendly HBCD-free flame retardant, which is developed by adjusting the intermolecular hydrogen bonding interactions and using brominated flame retardants as main material.

Product Specifications:

Item	Specifications	Analysis Result
Appearance	White Powder	White Powder
Purity/%	≥ 99.0	99.8
Losson Drying/%	≤ 0.5	0.4



- The supply of high quality flame retardant ensures excellent fire-proof ratio of XPS board