

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 poly styrene are expanded and consolidated in the process of steam heating and pressure treatment. When heated, the expanding agent enlarges the beads as much as 50 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

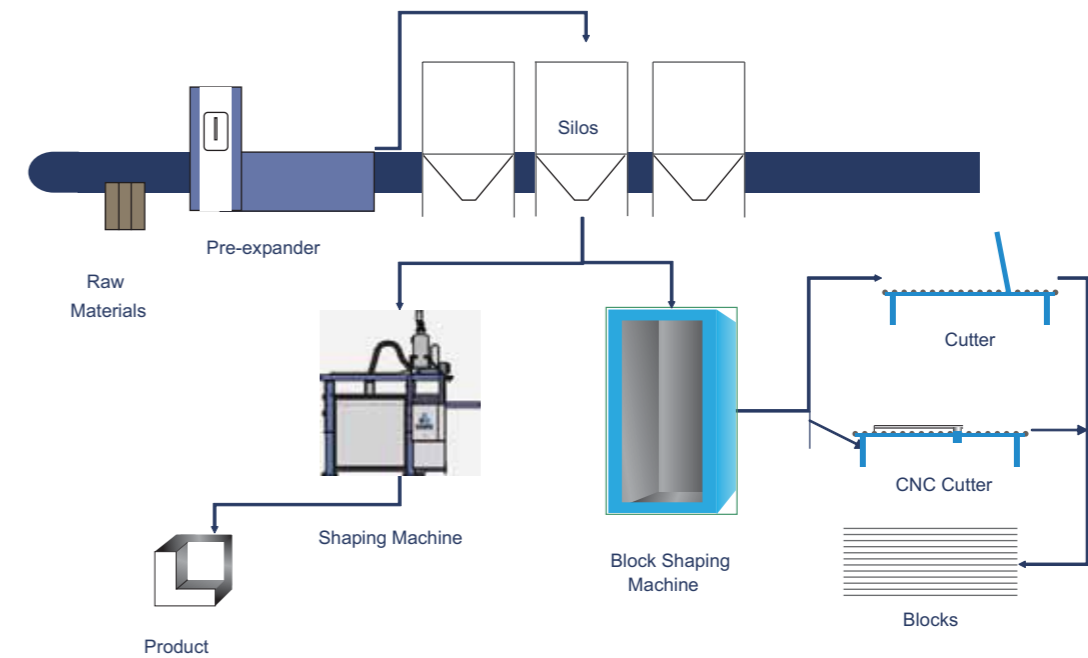
Excellent thermal insulation can reduce energy consumption dramatically. Lightweight strength enables more products to be transported on less fuel. Maximum versatility: cut to panel or moulded, resistant to moisture and compatible with a wide range of materials. Easy to dispose with an integrated system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



Main Configuration

Pre-expander / EPS Block Molding Machine / EPS Cutting Machine / Auxiliary Equipments

Flow Chart:



Main Parameters:

ITEM	HIM-EPS-3000	HIM-EPS-6000	HIM-EPS-8000
Capacity (15kg/m ³), kg/8 hours	3500	6900	9500
Continuous Pre-Expander	PE/C900	PE/C900	PE/C900
Batch Pre-Expander	PE/B1200	PE/B1200	PE/B1600
Block Molding Machine	Air cooling or vacuum shaping	Air cooling or vacuum shaping	Air cooling or vacuum shaping
Block Cutting Machine	CM/G3000 (standard) or customer design	CM/G6000 (standard) or customer design	CM/G8000 (standard) or customer design
Recycling System	CR1250, DE1250, MI1250	CR1250, DE125, , MI1250	CR1250, DE1250, MI1250
Silo (3 x 3 x 5.5m ³), set	6	10	12
Steam Boiler, mt/h	1	2	2
Power (without auxiliary equipments), kw	85	105	120
Workshop Area, m ²	Height ≥ 6m	Height ≥ 6m	Height ≥ 6m
	1000	1500	2500

Remarks: All the parameters listed in the form are standard configuration.