

EPS Foam Batch Pre-Expander

This EPS foam pre-expander machine is fully automatic, providing high efficiency and energy savings. It is designed for the efficient and precise pre-expansion of EPS foam beads using a batch process.



ADDITIONAL IMAGES



Overview

EPS Batch Pre-Expander

This batch pre-expander machine is engineered for the efficient and precise expansion of expandable polystyrene (EPS) foam beads. It features an integrated system including a dryer bed, screw conveyor, and automated filling and sieving devices to ensure uniform expansion and consistent density. Designed for industrial applications, the machine utilizes advanced PLC controls and electronic weighing to deliver reliable performance for manufacturers of foam insulation and packaging products.

System Controls

Control System	PLC and touch screen interface for automated process management
Filling System	Electronic weighing system with automated filling weight settings
Material Level Control	Photo sensor for expansion level monitoring

Technical Specifications

Steam Management	Integrated steam pressure reducer and angle valve
Optional Equipment	Vibration level sensor, Proportional steam valves, Proportional compressed air valves, Chamber pressure sensor, Temperature sensor control system
Model SPJ70B Requirements	Requires PID control system when expansion density exceeds 30g/L

Components

Included Components

- Dryer bed
- Screw conveyer
- Filling device
- Sieving device
- Steam pressure reducer
- Angle valve