

EPS Styrofoam Batch Expander

This EPS styrofoam batch expander efficiently expands expandable polystyrene beads into lightweight, rigid foam. It features precise temperature control, automated material handling, and adjustable expansion ratios.



ADDITIONAL IMAGES



Overview

High-Efficiency Batch Expansion

This EPS Styrofoam Batch Expander is engineered for the precise and uniform expansion of expandable polystyrene beads. It integrates essential processing components, including a dryer bed, screw conveyor, and automated filling and sieving devices, to streamline production. Designed for consistent output, the system features advanced electronic weighing and PLC-based controls to ensure optimal material density and quality for insulation and packaging applications.

System Components

Included Components

- Dryer bed
- Screw conveyor
- Filling device
- Sieving device

Control Systems

Automation Technology

PLC Control, Touch Screen Interface, Electronic Weighing System, Photo Sensor Level Control

Steam & Pressure

Steam Management

- Steam pressure reducer
- Angle valve for steam control

Optional Upgrades

Available Options

Vibration level sensor • Proportional steam valves • Proportional air valves • Chamber pressure sensor • Temperature sensor control

Operational Requirements

PID Control Requirement

30 g/L

Expansion Density Threshold