

# 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