



## Foam Overview

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Our foam systems are used in R&D and production applications by leading companies in the packaging, automotive, industrial, and graphic arts industries. We supply single screw systems, single screw tandem lines, twin screw tandem lines, and inline foam extrusion coating. Turnkey product solutions and weight reduction solutions for solid sheet applications are also available.

### Features

- Cups, Plates, Egg Cartons
- Anti-Slip Mats
- Protective Packaging
- Custom Profiles
- Ceiling Tiles, Insulation Board
- Pipe Insulation
- Seals and Gaskets
- Furniture Padding
- Interior Padding
- Point-of-Purchase Displays
- Poster Board, Signage

# Foam Overview



## FEATURES AND BENEFITS

### Variety of System Configurations

A variety of feed devices including single and twin screw extruders or gear pumps.

### Efficiency and Versatility

Extruders and feedscrews engineered for high output processing of materials such as PS, LDPE, PET, PP and others.

### Accuracy and Versatility

Hydrocarbon, atmospheric, CO<sub>2</sub> and dual gas systems available for high accuracy metering of blowing agents.

### Die Advantages

Dies offered with remote die lip gap and choke adjustment, fully automated die lip gap and choke assembly with PLC control and recipe storage.

### Downstream Equipment

A range of downstream equipment including cooling and sizing mandrels, dual and single "S" wraps, winding systems, and processing equipment is available.

### Extruder Options

Long L/D single screw extruders available for foam profile applications. Counter and co-rotational twin screw extruders for engineering grade materials and specialty applications.

## PS FOAM SHEET LINES

We supply PS foam sheet systems for thermoformed and flexible packaging applications. These systems are available with tandem single screw extruders with gas injection, or with twin screw extruders with gas injection.

## PS FOAM BOARD LINES

Davis-Standard supplies flat die and calibration systems for the continuous extrusion and shaping of foam boards used for temperature insulation. Adjustment features are incorporated within the die and calibration unit to maintain uniform thickness with minimal edge trim.

## PE FOAM SHEET LINES

PE foam sheet systems for processing the protective material used in packaging fragile items and for insulation are available with tandem single screw extruders or twin screw extruders with gas injection.

## PP FOAM SHEET LINES

These systems, primarily used for thermoforming food containers and for producing automotive parts, are available in both tandem single screw and twin extruder arrangements based on application.