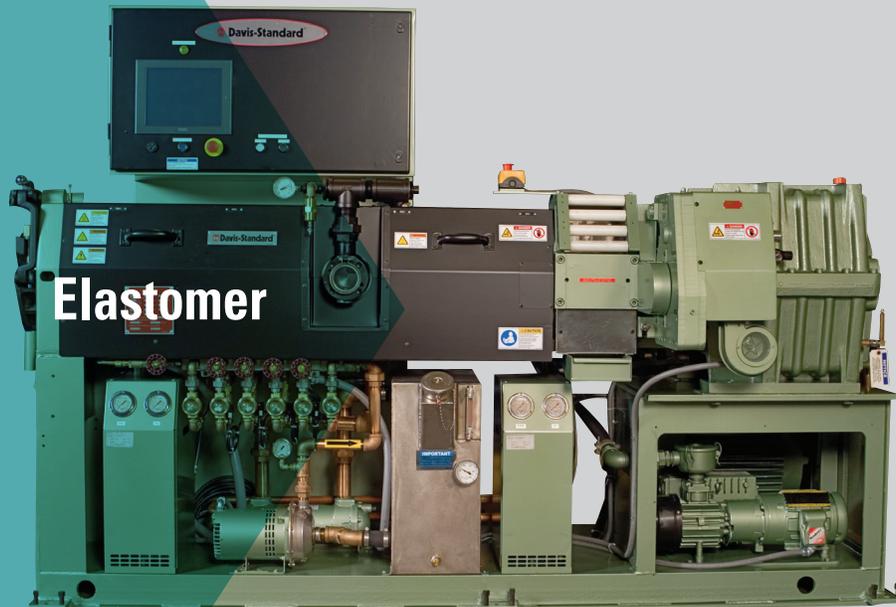




# DAVIS-STANDARD®

Where your ideas take shape.



## Elastomer Overview

### Overview

We manufacture both single and coextrusion systems for the rubber industry. Systems are available with a range of elastomer extruders including multipurpose, hot and cold feed, silicone, vacuum vented, pin barrel, smooth barrel and custom designs, as well as gear extruders. We also supply extrusion heads, custom feedscrew designs, curing systems, laboratory and downstream equipment, integrated process control systems, and complete turnkey systems.

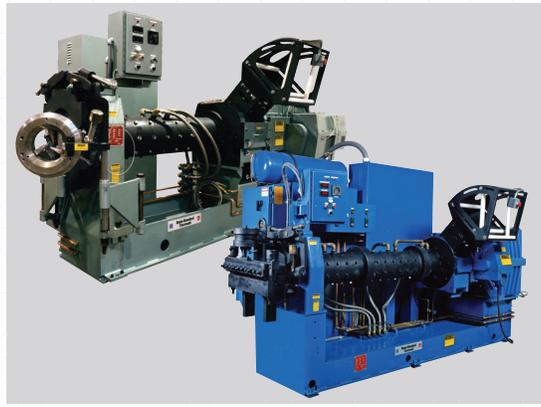
### Features

- Industrial & Architectural Seals
- Tire Components
- Gaskets, Weather Stripping
- Hoses
- Silicone Products
- Medical Tubing & Pre-Forms
- Insulation Products
- Pre-Forms for Sports Industry
- Gear Pumps/Straining Applications

# Elastomer Overview



Elastomer Product Samples



Pin Barrel Extruders



Smooth Barrel Extruders

## FEATURES AND BENEFITS

### Variety of System Configurations

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

### Large Extruder Selection

Extruders are available in 1 ½-inch (38mm) to 10-inch (254mm) barrel diameters with L/D ratios up to 20:1.

### Design Advantages

Extruders include quick clamp disconnect, multi-zone temperature control, a patented pneumatic feed roll design, single, double and triple reduction gearboxes, and a common base configuration.

### Efficiency

Our gear extruders improve energy savings, and provide minimal residence time and high pressure pumping capability at low extrudate temperatures.

### Multiple Applications

Systems are available for applications in the adhesives and sealants, appliance and furniture, automotive, construction, industrial rubber products, footwear, personal care and medical, recreation and toys, and tire markets.

## Pin Barrel Extruders

- Designed to house multiple rows of custom designed pins to provide necessary mixing of the compound to bring it to a homogenous mixture.
- Equipped with drilled heating and cooling passages to provide maximum heat transfer efficiency with multi-zone features, replaceable liners, and two-piece pins rate at 6,000 psi.
- Pins designed for ease of installation and replacement.

## Smooth Barrel Extruders

- Wear resistant liner of an iron/boron bimetallic material cast into a 4140 steel barrel assembly. (Harder alloys are optionally available.)
- Barrel designed for operating pressures of up to 10,000 psi.
- Multi-zone temperature control via efficient cast aluminum type heater/cooler halves with a patented bolt-ring method of maintaining intimate contact with the barrel at all temperatures.
- Cast-in serpentine heater rods and cooling tubes maintain the same temperature at the top of the barrel as in the cooler bottom section, which prevents thermal bending of the barrel.