



# DAVIS-STANDARD®

Where your ideas take shape.



## Next-Level Groove Feed Performance – SHO Extruder

### Overview

The SHO groove feed extruder is built for today's high-performance, environmentally conscious marketplace.

Based on Davis-Standard's popular Thermatic® design, this model delivers greater throughput, lower melt temperatures and consistent product quality. An optimized spiral grooved feed section and DSB® feedscrew enable output uniformity, the use of higher levels of regrind and recycled material, and better wear characteristics throughout the life of the machine. This is especially beneficial for high-viscosity HDPE applications such as pressure pipe, reinforced composite pipe, corrugated dual-wall pipe, and fiber optic and micro-duct piping. A space-saving design improves energy efficiency across the board to support social, environmental and financial objectives.

### Features

Your process can benefit from:

- Output rates 40 to 70 percent higher at lower processing temperatures
- Improved energy efficiency for operational savings of approximately 25 percent
- Compact extruder footprint
- Wear-resistant groove feed housing with removeable and replaceable groove feed section
- Lab trials available to demonstrate SHO feed section and DSB® feedscrew design

# SHO Groove Feed Extruder

## Versatility to process a range of materials

- Bi-modal materials
- Reprocessed post-industrial and post-consumer
- HDPE, PP and other thermoplastic resins

## Enhanced spiral grooved feed section and screw geometry

- Uniform output at lower melt temperature
- Higher levels of regrind/recycled material
- Improved wear characteristics

## Sleek, space-saving design

- Vertical gearcase for thinner base configuration
- Streamlined hopper
- Low-profile power panel
- Efficiency-oriented engineering
- All wiring and machinery components fully enclosed
- Available in sizes ranging from 2 to 6 inches (50 to 150mm)



## Machine Design Parameters

Size	2 inch	2½ inch	75mm	3½ inch	100mm	4½ inch	130mm	6 inch
Extruder Model	GF+ 38:1	GF+ 38:1	GF+ 38:1	GF+ 38:1	GF+ 38:1	GF+ 38:1	GF+ 38:1	GF+ 38:1
Actual Barrel Bore	50.8mm	63.5mm	75mm	88.9mm	100mm	114.3mm	130mm	152.4mm
Effective Barrel L/D Ratio	42:1	42:1	42:1	42:1	42:1	42:1	42:1	42:1
Barrel Zones	6	7	8	7	8	8	9	8
Screw RPM	200/225	187/223	187/200	153/175	153	100/125	88/100	84/100
*Max. Throughput Range, lbs./hr (kg/hr)	600 (270)	990 (450)	1,320 (600)	2,000 (900)	2,200	2,420	2,860	3,600

\* PE-100 Resin