



DAVIS-STANDARD®

Where your ideas take shape.

Pipe, Profile and Tubing



FENCING SYSTEMS

Overview

Davis-Standard, LLC is a leading supplier of turnkey profile systems for the growing vinyl fencing market. From small start-ups to Fortune 500 companies, Davis-Standard has supported customers throughout the world with cost-effective systems, engineered for high quality manufacturing of rails, posts, tongue-and-groove, privacy panels, pickets and slats. Several coextrusion configurations and a complete line of tooling, downstream and auxiliary equipment are available.

Features

- Davis-Standard provides full process responsibility, from system design and manufacturing, to start-up and training.
- Experienced technicians are available for service and process assistance.
- Complete turnkey systems feature material loading capabilities, tooling packages, and auxiliary and downstream equipment, including chilled water systems, vacuum sizing units, haul-offs, tilt dump tables, etc.
- Capabilities for processing rigid PVC powder blends, recycled rigid PVC for the substrate, and cap stock coextrusion utilizing rigid PVC UV stabilized materials.

FENCING SYSTEMS

Typical Line Speeds

Type of Profile	Substrate Extruder	Rate of Substrate Extruder	Capstock Extruder	Rate of Capstock Extruder	Feet/Minute	Type of Profile	Substrate Extruder	Rate of Substrate Extruder	Capstock Extruder	Rate of Capstock Extruder	Feet/Minute
7/8" x 7" Tongue & Groove	GC-65	464 lbs/hr	GC-40	147 lbs/hr	16	1 1/2" x 5 1/2" Rail (2 Rib)	GC-65	490 lbs/hr	GC-40	83 lbs/hr	11
	GP-94	464 lbs/hr	GC-40	147 lbs/hr	16*		GP-94	692 lbs/hr	GC-40	117 lbs/hr	15*
7/8" x 6 1/4" Tongue & Groove	GC-65	437 lbs/hr	GC-40	121 lbs/hr	15.5		GP-114	692 lbs/hr	GC-61	117 lbs/hr	15*
	GP-94	437 lbs/hr	GC-40	121 lbs/hr	15.6*	2" x 6" Rail	GC-65	556 lbs/hr	GC-40	64 lbs/hr	10.5
2" x 7" Pocket Rail	GC-65	650 lbs/hr	GC-40	76 lbs/hr	8.5		GP-94	773 lbs/hr	GC-40	134 lbs/hr	15*
	GP-94	947 lbs/hr	GC-40	111 lbs/hr	12.4		GP-114	773 lbs/hr	GC-61	134 lbs/hr	15*
1 1/2" x 1 1/2" Fence Picket	GC-65 (mono)	405 lbs/hr	–	–	30	5" x 5" Post	GC-65	619 lbs/hr	GC-40	77 lbs/hr	7.5
7/8" x 3" Fence Slat	GC-65 (mono)	493 lbs/hr	–	–	30		GP-94	982 lbs/hr	GC-40	123 lbs/hr	11
7/8" x 6 1/4" Privacy Panel	GC-65	514 lbs/hr	GC-40	61 lbs/hr	14		GP-114	1,340 lbs/hr	GC-61	167 lbs/hr	15*
	GP-94	514 lbs/hr	GC-40	61 lbs/hr	14*	* Tooling Downstream Sizing Limited Max Output (depending on tooling design, material, and processing characteristics): · GP-114 Parallel Twin Screw Extruder up to 1500 lbs/hr · GP-94 Parallel Twin Screw Extruder up to 1000 lbs/hr · GC-65 Conical Twin Screw Extruder, Up to 700 lbs/hr · GC-40 Conical Twin Screw Extruder, Up to 190 lbs/hr					
7/8" x 6 1/4" Privacy Panel Profile, V Groove Design	GC-65	642 lbs/hr	GC-40	76 lbs/hr	17.5						
	GP-94	642 lbs/hr	GC-40	76 lbs/hr	17.5*						
7/8" x 11 1/2" Privacy Panel Profile, V Groove Design	GC-65	467 lbs/hr	GC-40	188 lbs/hr	13.5						
	GP-94	467 lbs/hr	GC-40	188 lbs/hr	13.5						
	GP-114	553 lbs/hr	GC-61	223 lbs/hr	16*						

Superior Extrusion Technology

GC (Gemini® Conical) and GP (Gemini® Parallel) extruders are known worldwide for their dependable and consistent operation. GC extruders offer processing flexibility and low maintenance with a compact machine configuration and alternate drive positioning and sizing. GP extruders provide higher outputs as compared to conical extruders. Rates are higher due a larger screw diameter, longer L/D ratio, and more torque capacity.

Single Source Responsibility

Davis-Standard is able to supply complete systems due to extensive in-house technology and a network of highly respected vendors. Start-up assistance and training is always included in the package, as is the optional die balancing and tuning

service. Depending on the application and customer location, short lead times are possible.

Capabilities for a Variety of Fence Profiles

- 2" x 6" upper and lower fancy rails and 2" x 7" pocket rails
- 4" x 4" post and 5" x 5" post
- Single 7/8" thick x 6" wide tongue-and-groove
- Double 7/8" thick x 11 3/8" wide tongue-and-groove
- 7/8" x 8 3/8" privacy panel, 7/8" x 11 1/4" double privacy panel
- 1" x 1" picket profile
- 7/8" x 1 1/2" picket, 7/8" x 3" picket
- 1 1/2" x 3 1/2" picket fence slat

Range of Extruder Configurations

- GC-61 and GC-40 coextruder¹
- GC-65 and GC-40 coextruder¹

- GP-94 and GC-40 coextruder²
- GP-114 and GC-61 coextruder
- GP-140 and GC-65 coextruder³

Example of a Complete Systems

- GP-94 and GC-40 Coextrusion Line
- GP-94 parallel twin for substrate and GC-40 conical twin for capstock.
 - Auxiliary equipment, tooling and downstream equipment consisting of a vacuum calibration table, auxiliary cooling tank, haul-off, traveling cut-off saw and tilt table.
 - Tooling package with coextrusion dies for producing 7/8" x 11 1/2" tongue-and-groove privacy panel, 1 1/2" x 5 1/2" rail, 2" x 6" rail and 5" x 5" post.

¹ Most commonly supplied configuration.

² Good for a wide range of products.

³ Typical configuration for a dual line with two-up 5" x 5" or 4" x 4" posts.