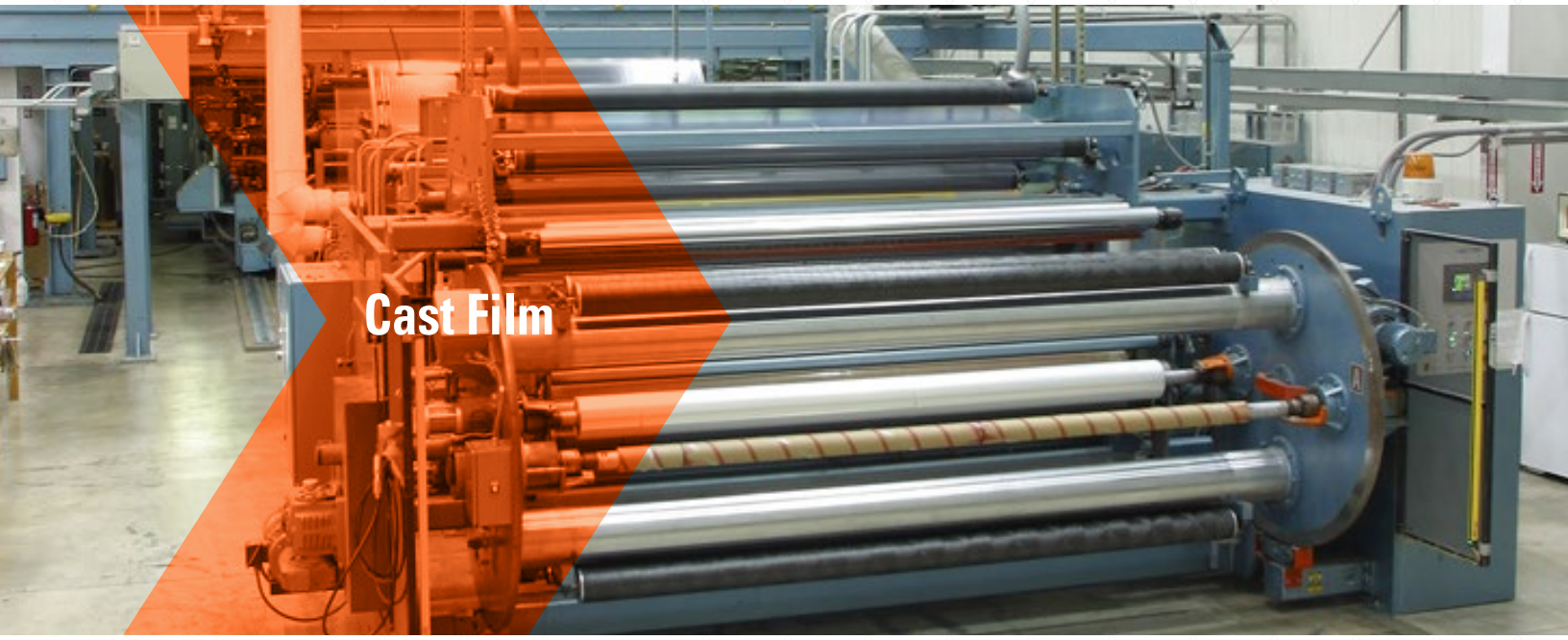
DAVIS-STANDARD®

Where your ideas take shape.



CAST POLYPROPYLENE

Overview

Technology, Precision, Quality and People with Years of Experience. This is what makes Davis-Standard, LLC the global leader in the design and manufacture of extrusion equipment. Our experts have developed many of the technologies that you have come to know as the industry standard. Our plan is to continue to drive innovation that will help our customers lead in their markets or enable them to enter new markets.

We specifically design cast film equipment to meet the stringent requirements of coextruded CPP for metalizing and heat seal films. We bring to you our team's extensive experience designing robust cast film equipment for demanding customer applications.

Features

Benefit from our leading edge design capabilities that result in:

- Excellent film clarity
- Excellent film lay flat
- Longer more consistent run-time
- Balanced cross web properties
- Lower maintenance requirements
- Flexibility to meet changing markets

CAST POLYPROPYLENE

CPP FILM LINES

Chemistry and physics are critical to the CPP film process. Film morphology, shear rates, process temperatures, web forming and curing all have deep impact on the final appearance, physical properties and processibility of the film. Understanding the chemistry is the key to the process. Whether its camber, orange peel, haze, gloss or physical properties, Davis-Standard controls the entire process – from pellet to winder, all aspects of the process are optimized to ensure your finished product meets your requirements.

TYPICAL SPECIFICATIONS

Widths	78-208 inches (2000-5300 mm)
Outputs	1433-3693 lbs/hr (650-1675 kg/hr)
Line Speeds	164-984 fpm (50-300 mpm)
Film Thickness	0.59-4.72 mils (15-120 microns)
Roll OD	23.6-47.2 inches (600-1200 mm)

TYPICAL LINE CAPABILITIES

- High intensity patented DSB I PP screws for melt quality, pressure stability and elimination of unmelt.
- Tandem extruder design available for high output systems.
- Three – five layer coextrusion systems.
- Die / Forming design to minimize "orange peel" effect.
- Vacuum box and air knife for improved optics and output.
- Air chamber and plate-out roll systems minimize additive build-up on chill rolls.
- Die / chill roll design for "camber" control.
- Corona and plasma treatment systems.
- Winders for in-line slitting to 1000 mm and mill rolls to 1200 mm diameter.

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