



DAVIS-STANDARD®

Where your ideas take shape.



MACHINE DIRECTION ORIENTER

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 have continuously pushed the envelope and lead technology development in the areas of: wound roll quality, film quality, in-line slitting, automation, controls, wider widths, higher line speeds and greater outputs. Our determination is to continue our leading role in the development of cast stretch film equipment innovation and processing technology with the goal to drive the industry to higher outputs and improved quality.

Features

- Compact design allows integration into existing lines
- Two stage orientation
- 10:1 total draw ration (others available as required)
- Individually adjustable draw gaps at each stage
- Oil heated pre-heat section
- Oil heated draw sections
- Oil heated annealing section
- Water cooled post cooling section
- Individual temperature control for each roll
- Individual fully adjustable sectional drive for each roll
- Motorized threading device
- Touch screen operator controls for:
 - Machine sequencing
 - Temperature controls
 - Drive rations, load indication and speed settings

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TYPICAL LINE CAPABILITIES

- Coextrusion utilizing feedblock and automatic die with 3 to 9 layers and nano layer
- Winders for 2 inch (50.8 mm), 3 inch (76.2 mm) cores, coreless with NO.EL technology
- Winders available for large scale rolls, machine wrap and hand wrap
- Fully automatic roll removal and re-coring systems with short cycle times of 25-45 seconds

TYPICAL SPECIFICATIONS

Widths	80-180 inches (2000-4500 mm)
Outputs	2426-6600 lbs/hr (1100-3000 kg/hr)
Gear-In Speeds	Up to 2400 fpm (730 mpm)
Film Thickness	0.32-3.15 gauge (8-80 microns)
Winder Diameter	3-16 inches (400 mm) with S2 Winder Up to 12 inches (305 mm) with S4 Winder



MDO Open



MDO Closed