



Cast Film

Best-in-class technology for
fluoropolymer film

Cast Film Systems

About Davis-Standard



Who We Are

Davis-Standard is a global leader in the design, development and manufacture of extrusion and converting technology. Our systems encompass over 10 product lines to support manufacturing applications and customers in a wide variety of industries, including automotive, building & construction, consumer products, medical, and packaging.

With more than 1,400 employees worldwide and a network of independent sales agents and suppliers in nearly every country, Davis-Standard is committed to engineering systems for you that are cost-effective, environmentally friendly, and offer a high return on investment. The company has manufacturing and technical facilities in the United States, Canada, China, Germany, Finland, Switzerland and the United Kingdom.

Our Purpose

We exist to help you produce products that improve everyday life. Though we are removed from final production of your end products, we are central to the manufacturing of many of the world's essential, or even life-altering, products. Many of these products would not exist without us. Like you, we take that responsibility seriously.

Our Promise

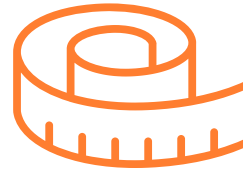
We optimize our customers' productivity and profitability by providing the best total solution (product + support). We serve our customers from a unique perspective. While our competition generally focuses on machine technology, we focus on providing the best total solution. That means, we supply the best combination of product and support services to help customers achieve their business goals.

Davis-Standard Offers

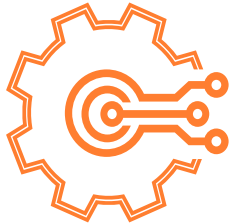
Proven equipment technology used by market leaders for the fastest payback due to increased productivity



Experience



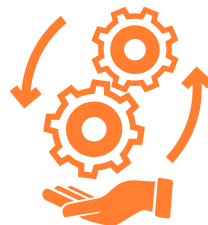
Tailored Design



Technology



Global Support



Total Solutions

Let us tell you how...





Process & Application Experience

- Equipment design to match technical & business needs
 - Extruder package
 - Web handling
 - Reduced waste
 - Winder
 - Optimum roll quality
 - Controls & drives



Case Study - Typical Fluoropolymer Film Line

Cast Film Systems - Fluoropolymer Film

Fluoropolymer Film Line

- Tailored design to address challenges of casting fluoropolymer film
- Technology for reduced waste
- Regional after-sales support / service centers

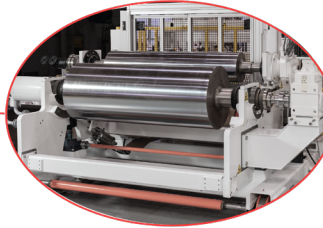


- Finished web width - 1219 mm - 2134 mm (48" - 84")
- Nominal machine roll face - 1880 mm (74 inches)
- Machine line speed - up to 30m/min (100ft/min)
- Web thickness - up to 508 micron (20 mils)
- Max roll diameter - 380 mm (15 inches)

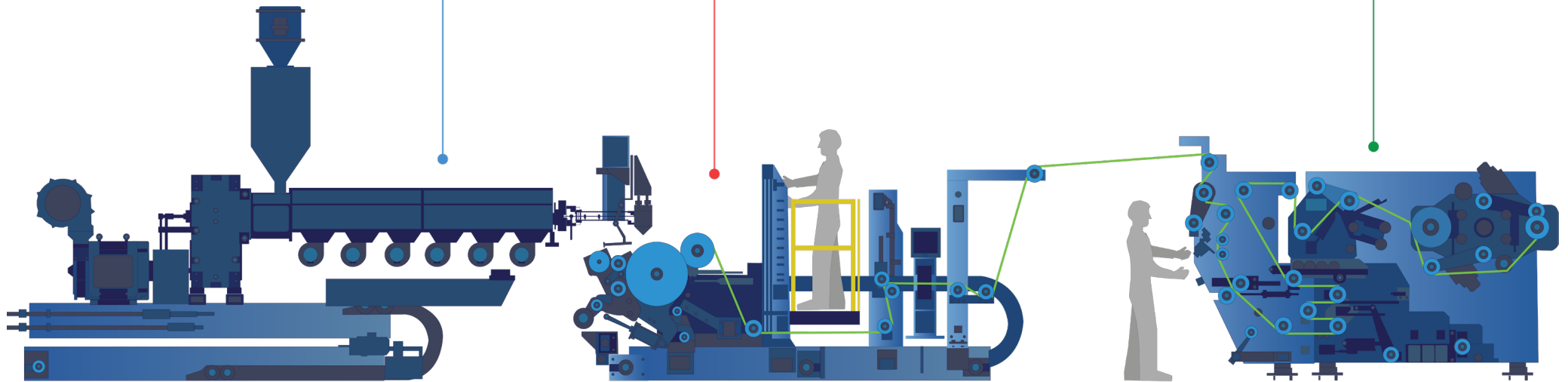
Extruder



Casting section



Winder





Technology **Cast Film Systems - Fluoropolymer**

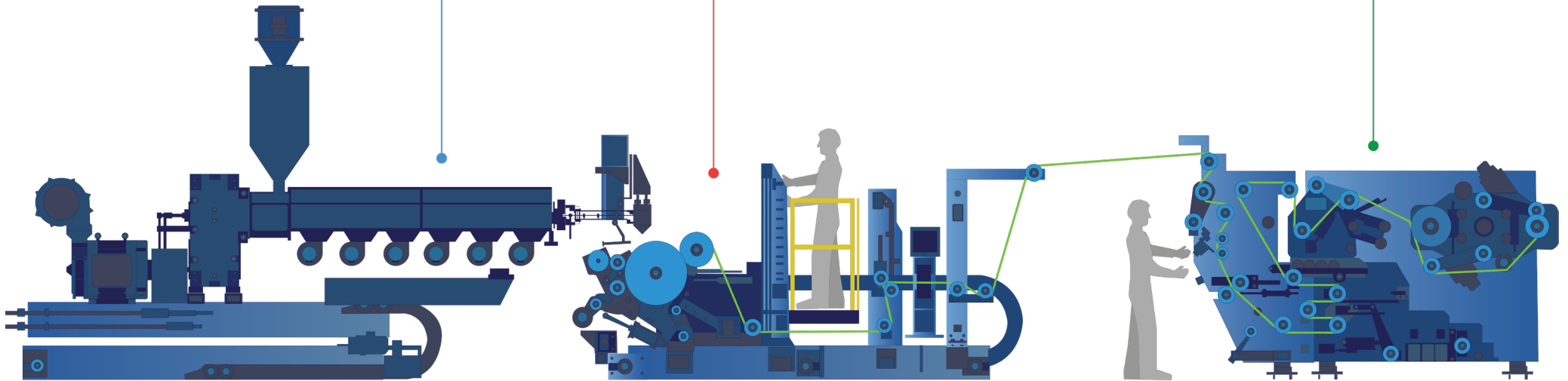
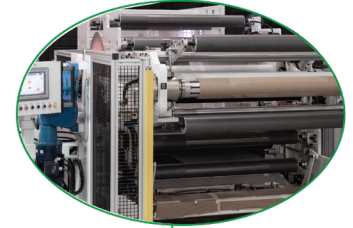
Extruder



Casting section



Winder





Casting section



Selected Features

- Customize finish (matte/smooth)
- Quick change for operational flexibility

Extruder technology



Selected Features

- Special materials for processing high temperature fluoropolymer resin grades
- Longer runtime before cleaning
- Maximum process flexibility - designed for ease of screw cleaning

Winder technology



Selected Features

- Center wind tension control for superior roll quality
- Driven auxiliary layon roll
- No fold back core start to minimize waste

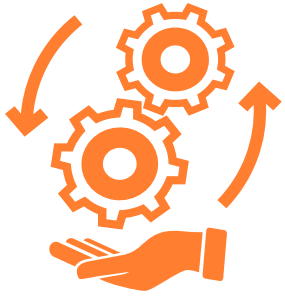
Integrator PRO supervisory control system



Selected Features

- Recipe capability for repeatability
- Custom controls for drives, pressures & gauging system
- Compatible with all industry analog & digital drives controls
- Historical data capture





We Offer a Total Solution



Stewardship - Start to Finish

1

PRE-SALE SUPPORT

- Tailored design based on customer technical & business needs
- Pricing, timing and delivery options presented

2

PROJECT MANAGEMENT

- Workflow, process integration to track build & delivery time
- Frequent 2 way communication

3

INSTALLATION & COMMISSIONING

- Davis-Standard teams are the most experienced/skilled in the industry
- Operator & maintenance training

4

AFTERMARKET

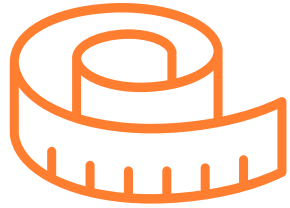
- Low cost of total ownership
- Regional locations for quick spares & support



24/7 Emergency Support Request +1 844 MY DAVIS (+1 844-693-2847)

Collaborative Partner for your Entire Line





Tailored Solutions

Partnership to take standard offering & tailor to customer's business & technical needs

Innovation Starts Here

Davis-Standard has mastered the art of working with progressive customers and industry partners to break old paradigms and develop cast and converting product platforms that provide a competitive advantage.

Packaged Solutions

From concept to reality, experienced engineering teams turn specific objectives into high performance manufacturing solutions. Well-equipped pilot facilities enable customers to test and prototype concepts, building a foundation of confidence.

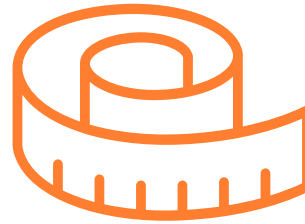
Customization Is Key

Major components of our cast lines are often tailored to address specific customer needs. This can be as simple as combining existing design elements in a unique way or developing a new solution to enhance existing capabilities.

Technology Leadership

By consistently reviewing technology fundamentals, Davis-Standard addresses major industry trends of industry 4.0 & productivity improvements.





Research and Technical Centers

Extruder List

- 3/4 inch extruder
- 1 inch extruder
- 2.5 inch direct drive extruder
- 2.5 inch high speed extruder
- 2.5 inch Helibar extruder
- 3.5 inch extruder (smooth & grooved feed)
- 4.5 inch extruder



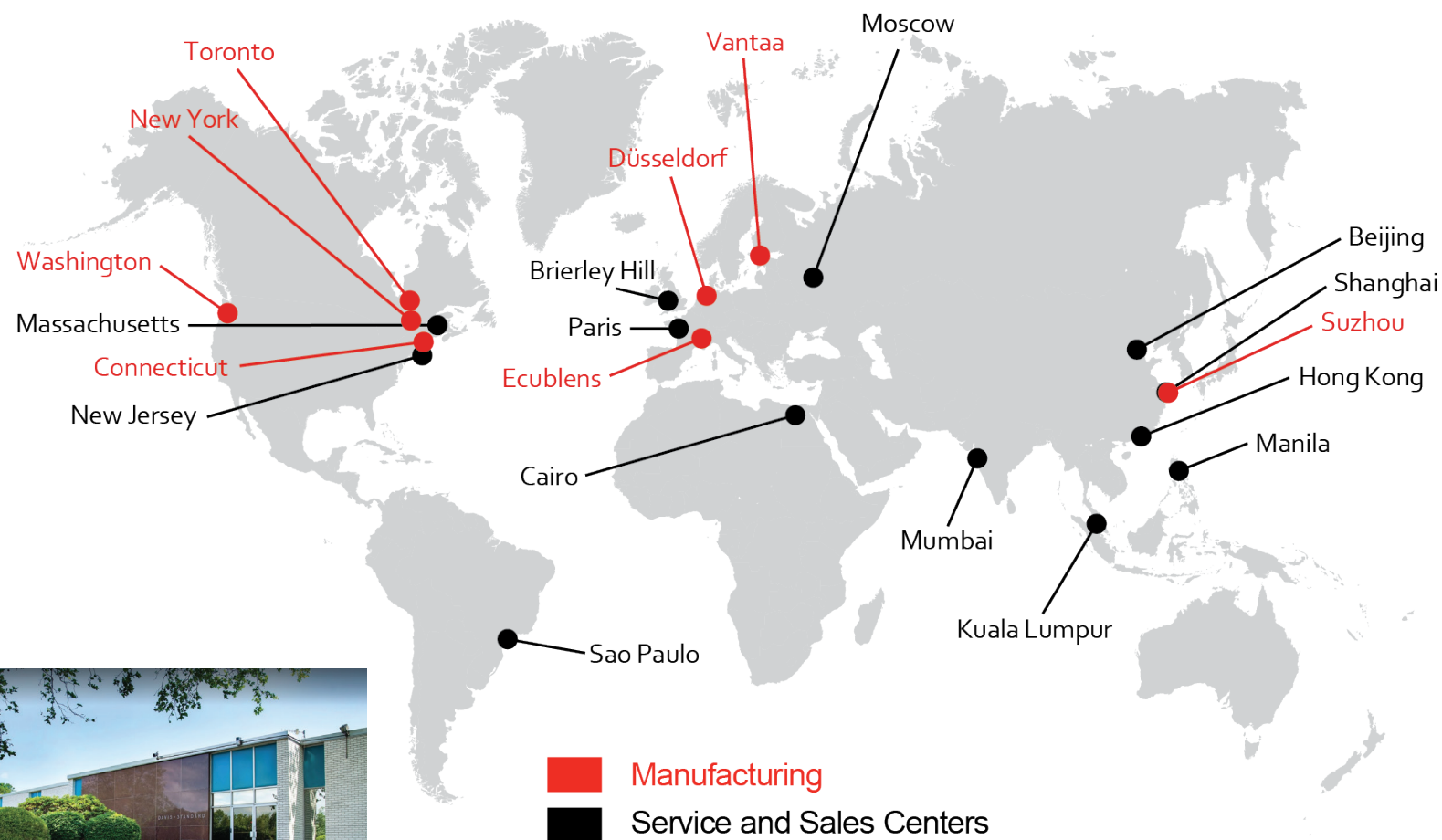




Davis-Standard - A Global Company

Production Across Three Continents

- Quick Response Parts & Service



Pawcatuck, Connecticut, USA



Fulton, New York, USA



Suzhou, China



Erkrath/Düsseldorf, Germany

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PRODUCTION INNOVATION

COST CONTROL

TAILORED SOLUTIONS

SPEED-TO-MARKET

DIGITAL TRANSFORMATION

UPTIME



Helping make your product ideas real.



PUT US TO WORK FOR YOU.

We strive to do whatever it takes to ensure that you are able to produce a superior end product, at a superior profit. Contact us today to learn how we can help you succeed.



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Where your ideas take shape.