



Flexible Packaging

Technology tailored for flexibility and superior ROI

Extrusion Coating 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.

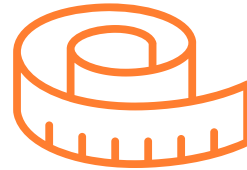


Davis-Standard Offers

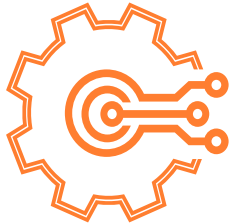
Proven equipment technology used by market leaders for the fastest payback due to increased productivity



Experience



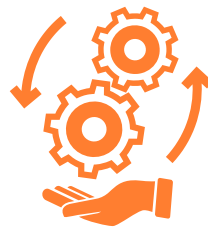
Tailored Design



Technology



Global Support



Total Solutions

Let us tell you how...





Process & Application Experience

- Adapt & design to customer's structure and requirements
 - Equipment design to match technical & business needs
-
- | | |
|------------------------|-----------------------|
| - Extruder package | - Coater |
| - Web handling | - Dryer |
| - Reduce waste | - Laminator |
| - Winder | - Controls & drives |
| - Optimum roll quality | - Ancillary equipment |



Case Study - Flexible Packaging Lines

Extrusion Coating Systems - Flexible Packaging

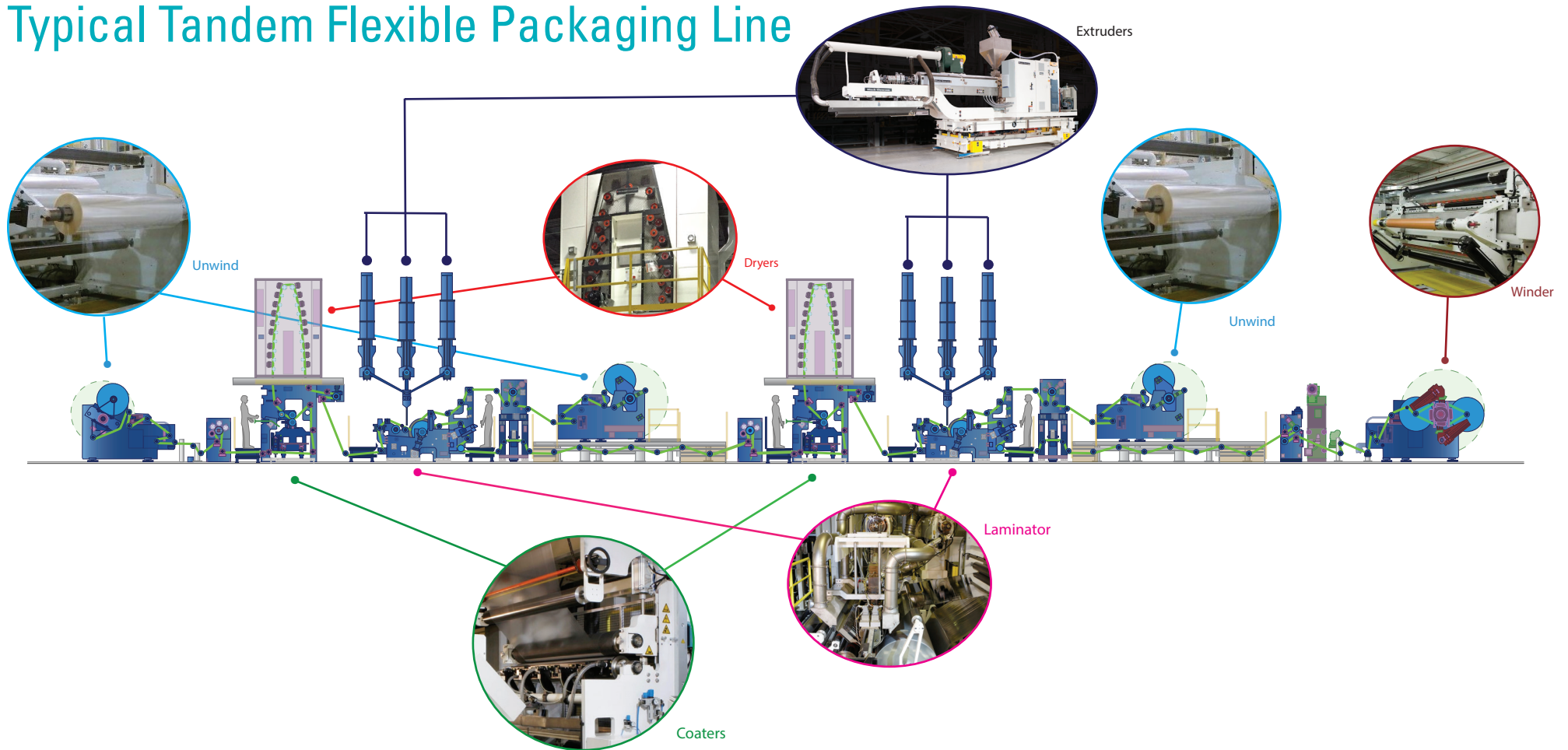
Flexible Packaging Line

- Tailored design for diverse structures, regulatory & business needs
- Technology for best-in-class speed, quick change and reduced waste
- Global manufacturing (USA, EU, Asia) locations and regional after-sales support / service centers

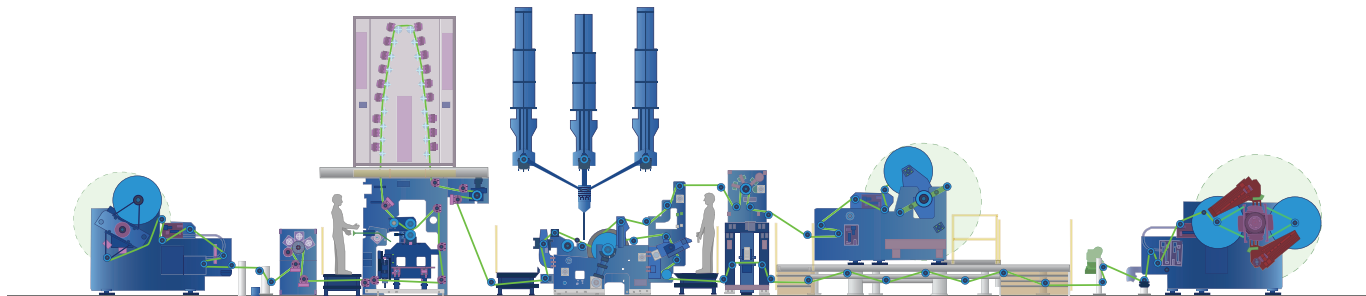


- Maximum web width - 2150 mm (85 inches)
- Minimum web width - 1250 mm (49 inches)
- Machine line speed - 450 mpm (1476 fpm)
- Maximum roll diameter - 1270 mm (50 inches)
- Core shaft sizes - 76 mm (3 inch), 152 mm (6 inch)
- Web tension range depends on substrate and width

Typical Tandem Flexible Packaging Line

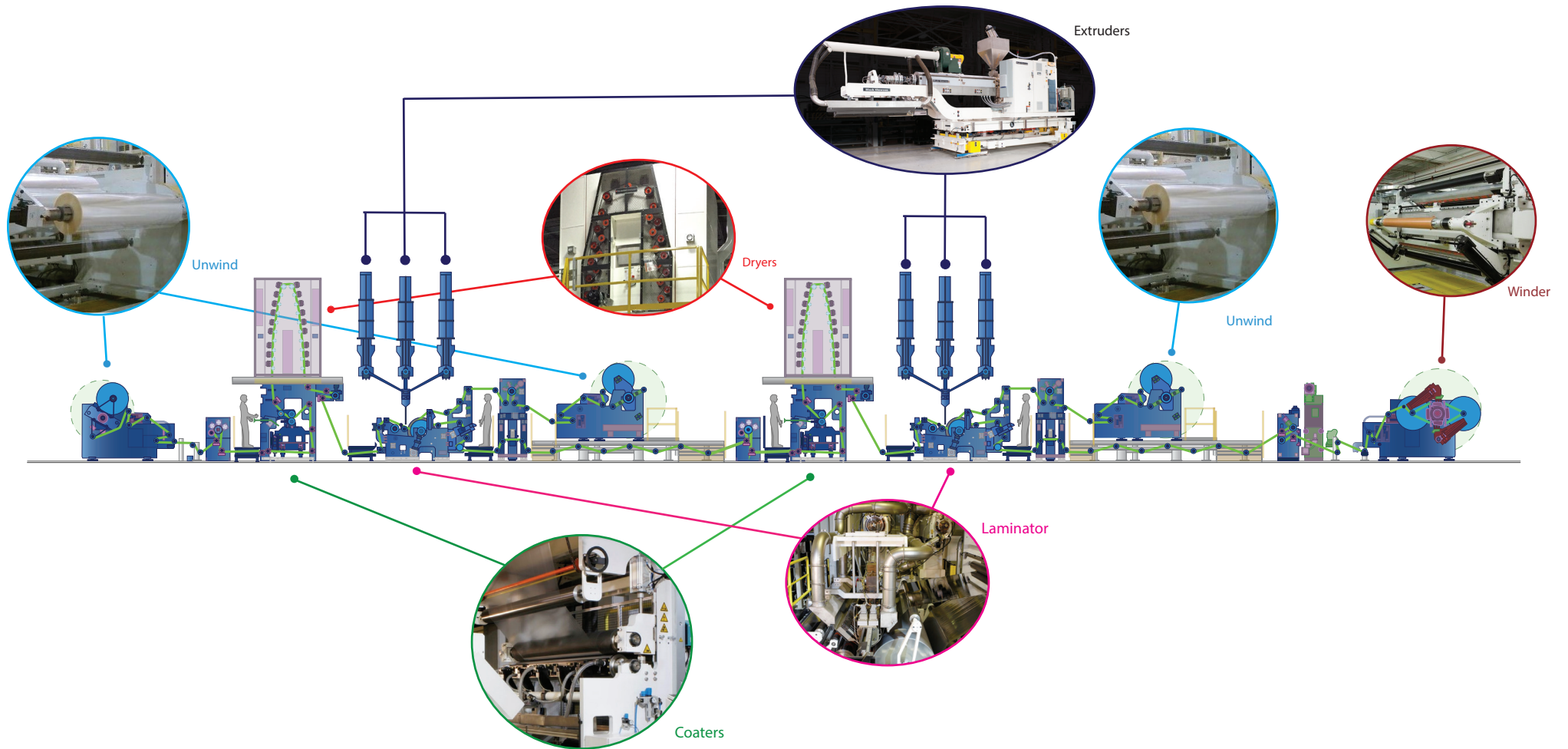


Typical Single Station Packaging Line





Technology **Extrusion Coating Systems - Flexible Packaging**





Unwind



Selected Features

- Reliable high speed splice for reduced waste
- Stub roll capability
- Minimize tail length

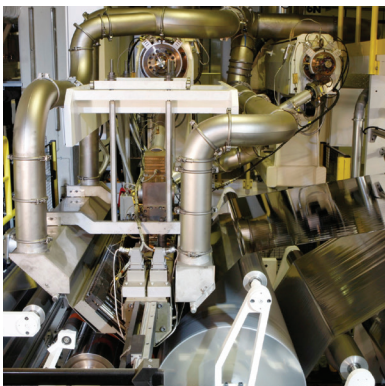
Winder



Selected Features

- Stationary knife reduces fold-over waste
- Best-in-class speeds
- Driven auxiliary layon roll

Laminator design



Selected Features

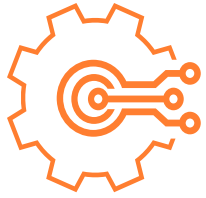
- Superior adhesion
- Quick change design for increased productivity
- Handle thin gauge metalized film and pre-printed substrates

Extruder and screw design

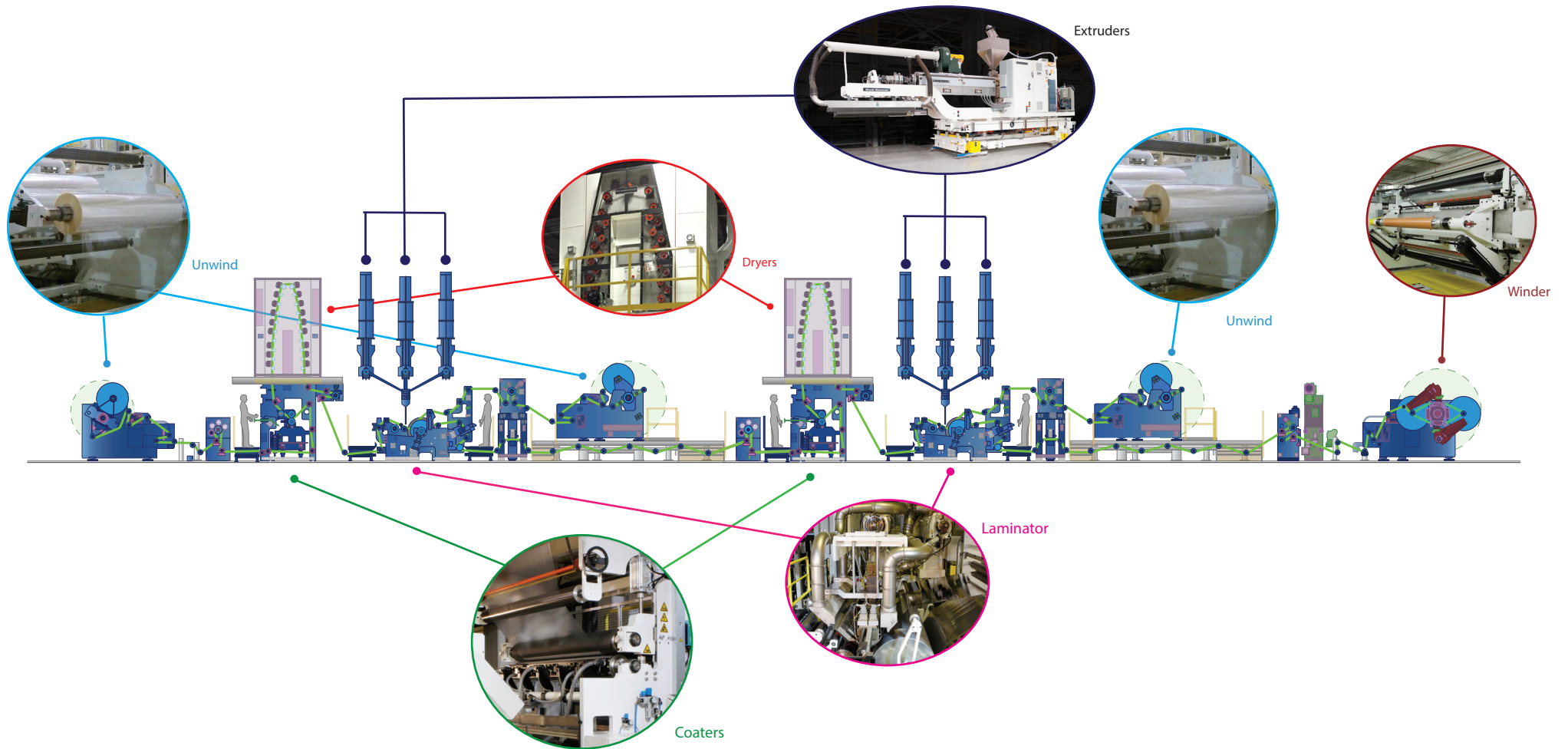


Selected Features

- Gauge control and uniformity
- Temperature control for melt quality
- Tailored to your specifications



Technology **Extrusion Coating Systems - Flexible Packaging**





Coater



Selected Features

- High speed design
- Flexibility of coater design
- Quick change for web widths

Dryer



Selected Features

- Configure to substrate
- Temperature control
- Web tension control

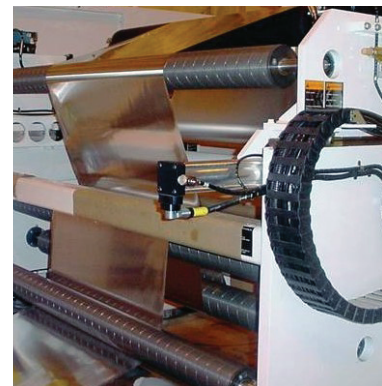
Integrator PRO supervisory control system



Selected Features

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

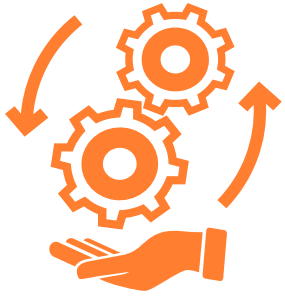
Web handling



Selected Features

- Best-in-class speed from start to finish
- Flexibility to handle diverse materials
- Precision tension control for quality rolls





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

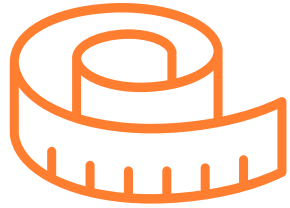
- Low cost of total ownership
- Regional locations for quick spares & support



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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 extrusion 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.

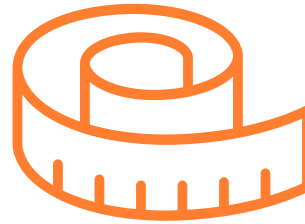
Customization Is Key

Major components of our extrusion 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.



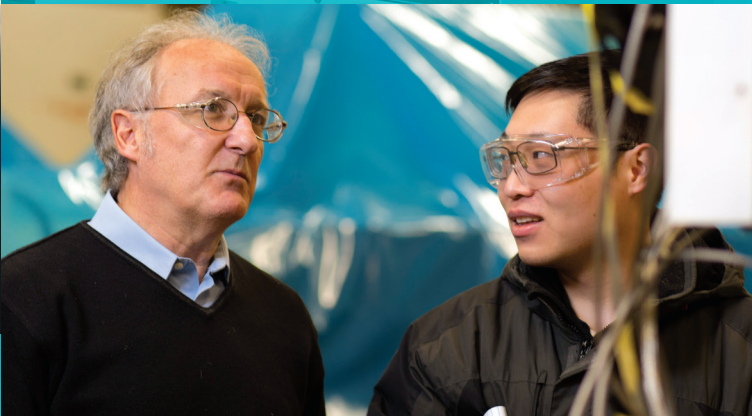


Research and Technical Centers

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



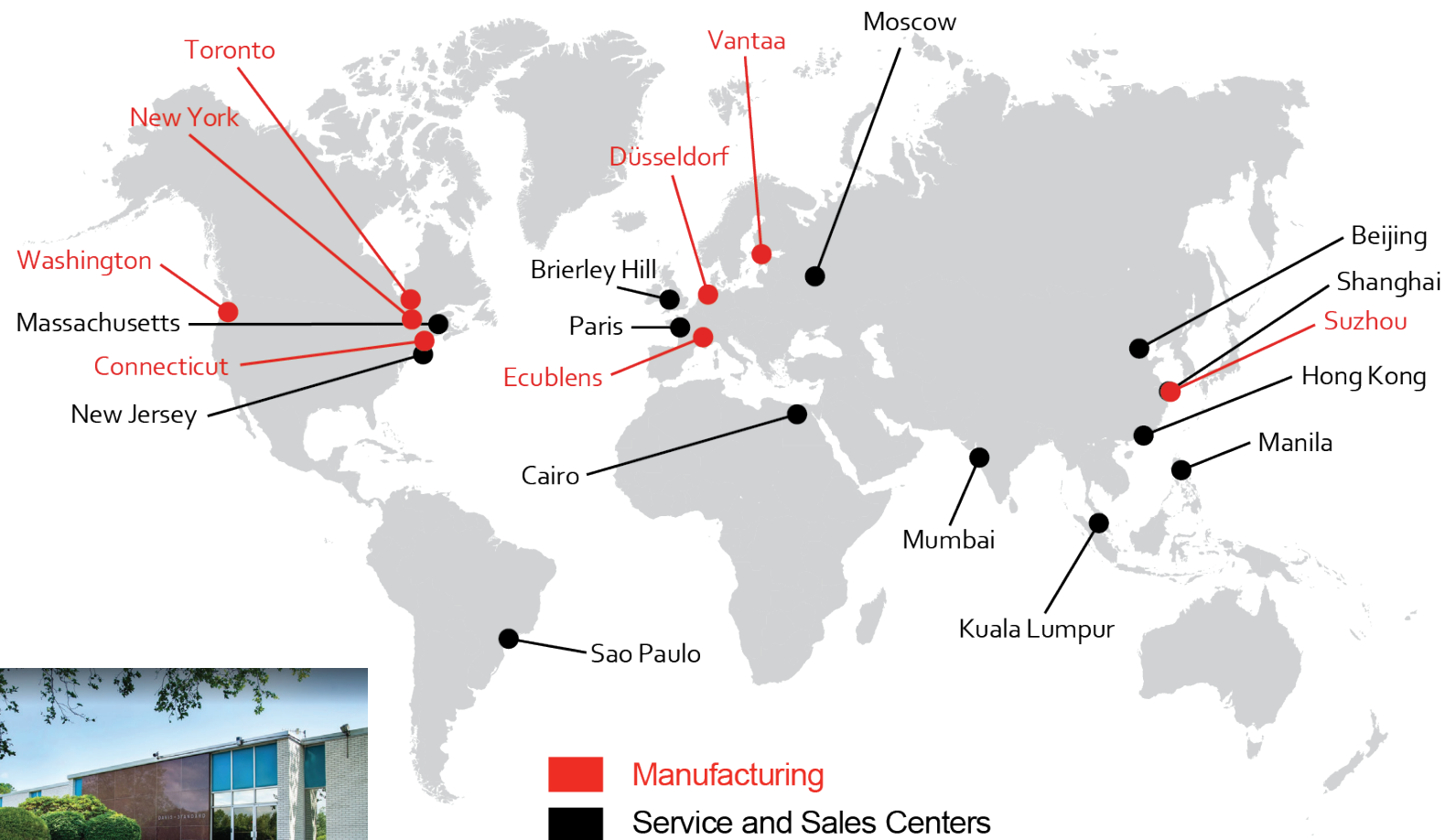




Davis-Standard - A Global Company

Production Across Three Continents

- Quick Response Parts & Service



Pawcatuck, Connecticut, USA



Fulton, New York, USA



Suzhou, China



Erkrath/Düsseldorf, Germany

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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.