



Pressure Sensitive Adhesive Line

Technology tailored for flexibility and superior ROI

Liquid 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

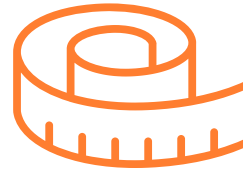
We optimize our customers' productivity and profitability by providing the best total solution (product + support). We serve our customers from a unique perspective. While our competition generally focuses on machine technology, we focus on providing the best total solution. That means, we supply the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

Davis-Standard Offers

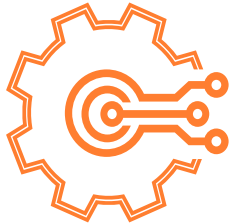
Proven equipment technology used by market leaders for the fastest payback due to increased productivity



Experience



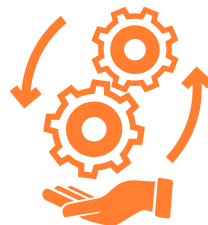
Tailored Design



Technology



Global Support



Total Solutions

Let us tell you how...





Process & Application Experience

- Adapt & design to customer's formulation
 - Equipment design to match technical & business needs
-
- | | |
|----------------|-----------------------|
| - Winder | - Coater |
| - Web handling | - Controls & drives |
| - Quick change | - Ancillary equipment |



Case Study - Typical Pressure Sensitive Adhesive Line

Liquid Coating Systems - Tape / Label

Pressure Sensitive Adhesive Line

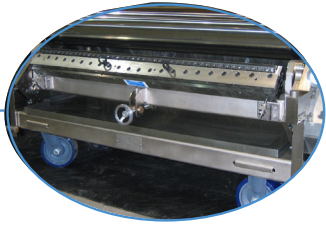
- Tailored design to address uniform coat weights and business needs
- Technology for best-in-class speed, quick change and reduced waste
- Regional after-sales support / service centers



- **Line speed - Tailored to process** - Up to 1500 fpm (457 mpm)
- **Maximum web width** - Up to 90 inches (2286 mm)
- **Maximum roll diameter** - 40 inches (1016 mm)
- **Dryer length** - Sized to your process
- **Substrates** - Paper, Assorted films, Foils, etc.

	Coat Weights	% Solids	Viscosity
Solvent Based	3.3 to 113.9 gsm	16 to 50%	100 to 30,000 cps
Typical Solvent Based	9.8 to 78.1 gsm	30 to 50%	100 to 10,000 cps
Water Based	1.6 to 32.6 gsm	20 to 60%	100 to 6,000 cps
Typical Water Based	6.5 to 26.0 gsm	50 to 60%	100 to 2,000 cps

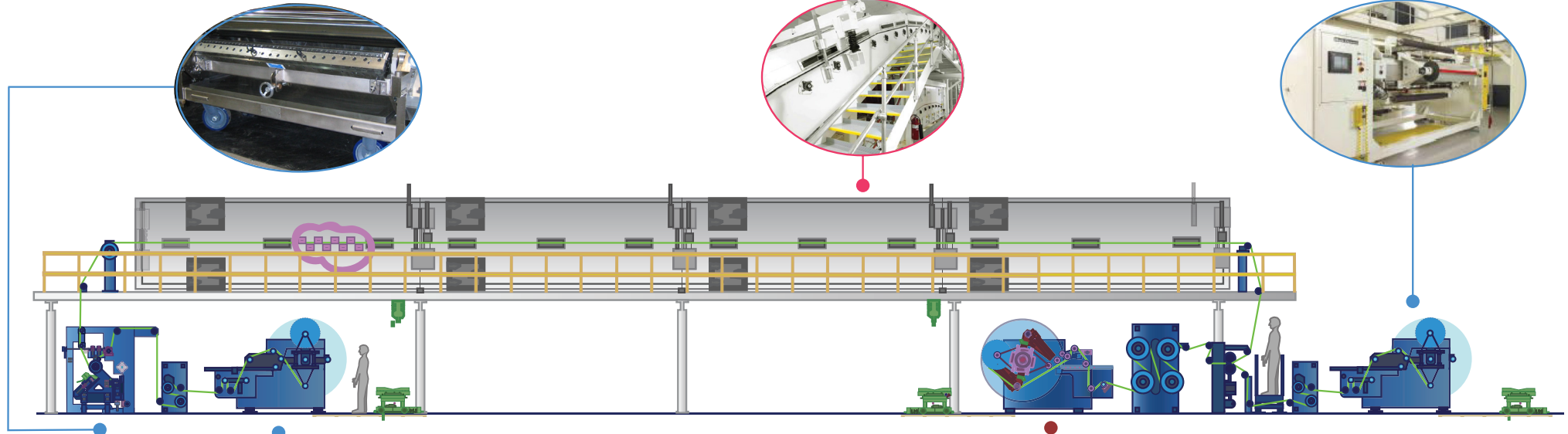
Slot Die Coater



Dryer



Laminate Unwind

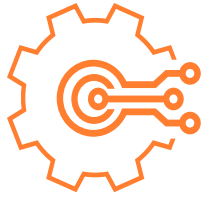


Primary Unwind

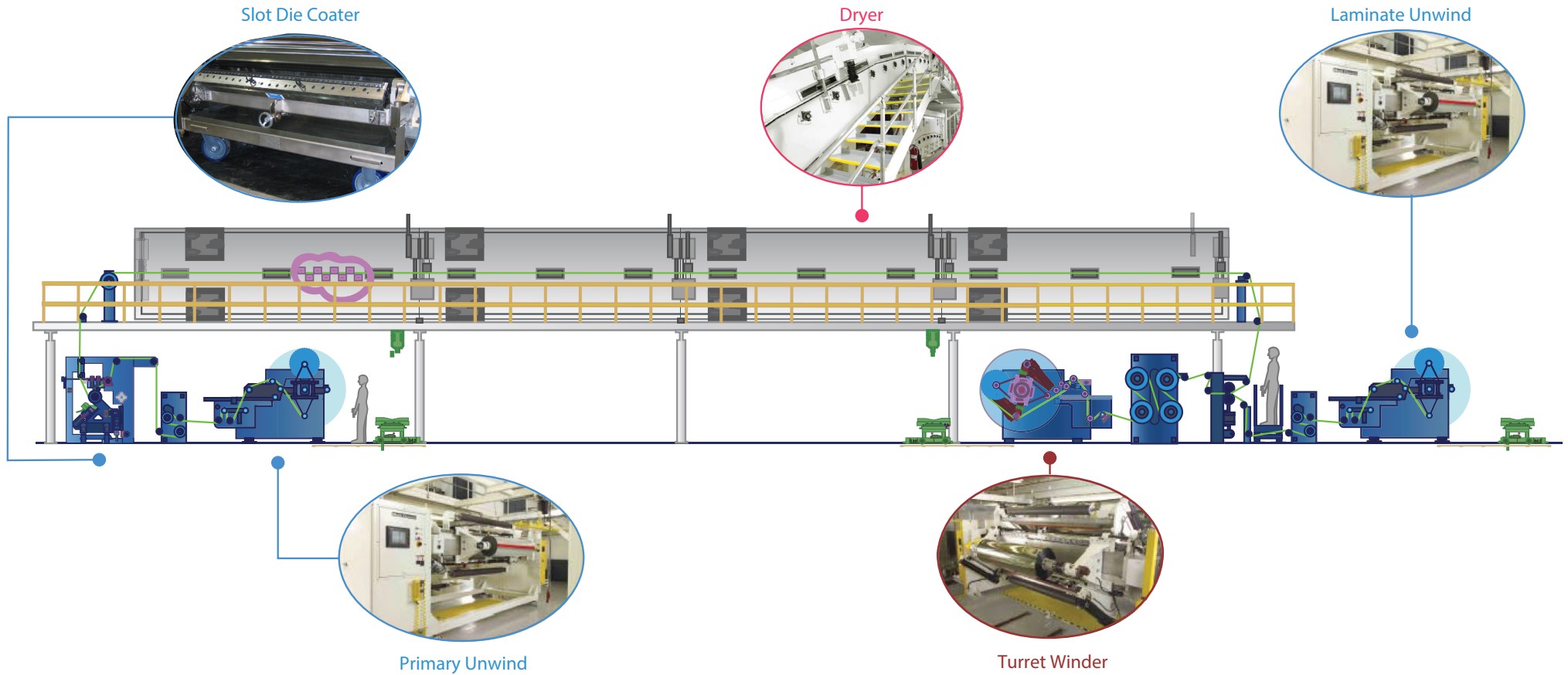


Turret Winder





Technology **Liquid Coating Systems - PSA Line**





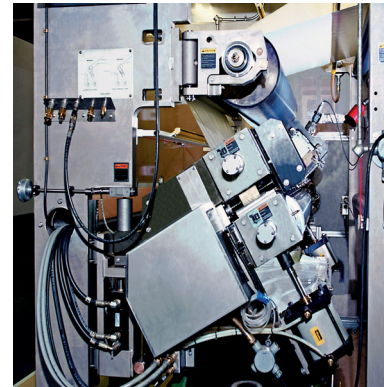
Slot die coater



Selected Features

- Optimized for longer runs
- Low to high coat weights
- No recirculation

Reverse roll coater



Selected Features

- Optimized for short runs
- Medium to high coat weights
- Minimum waste during product change

Turret unwind



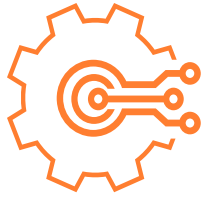
Turret winder / Roll changer



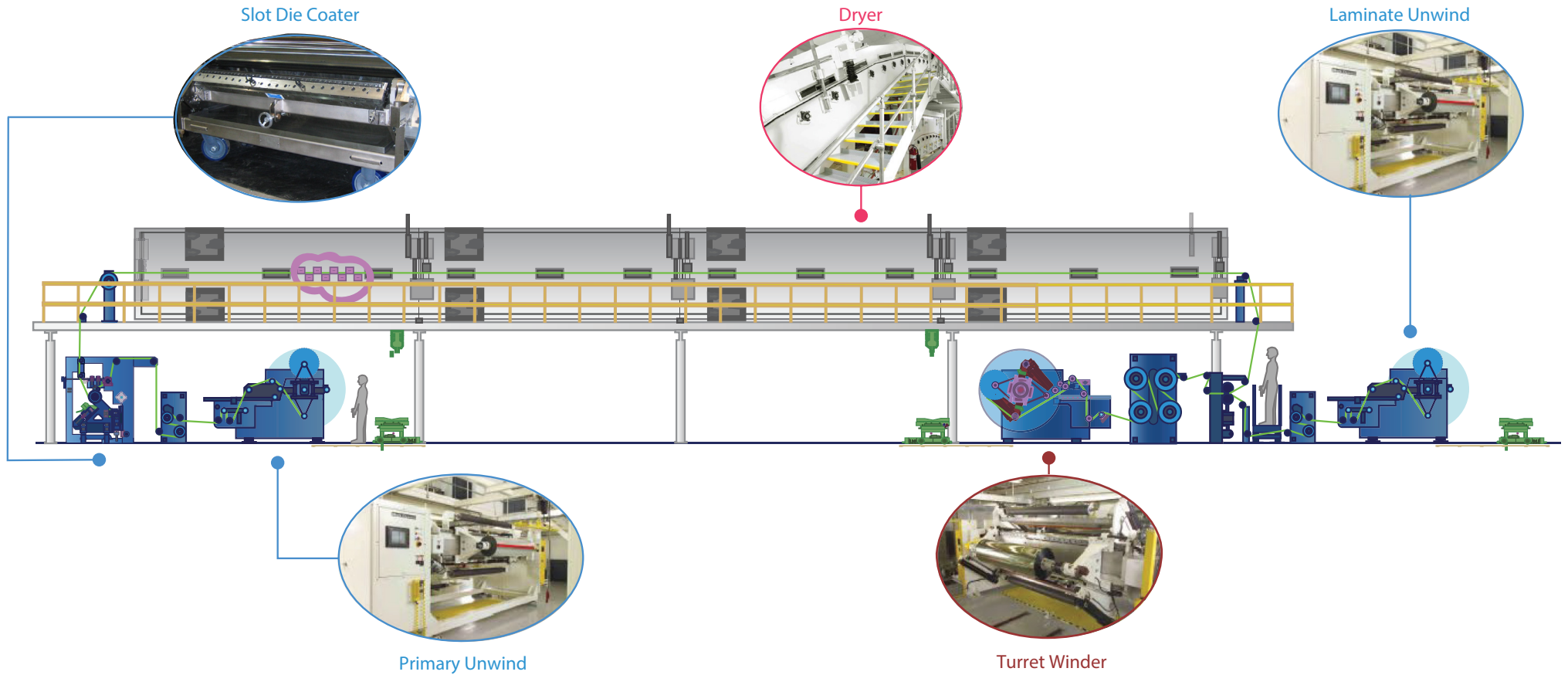
Selected Features

- Best-in-class for reduced waste and faster payback time
- Continuous winding
- Flexibility
- Web handling

Other coaters available including rod, gravure, flex rod, etc.

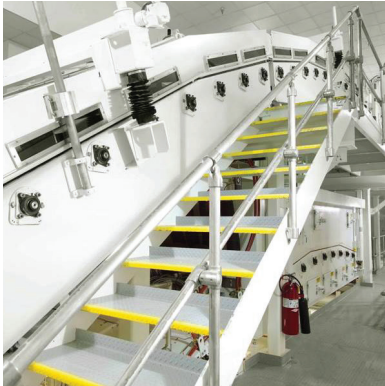


Technology **Liquid Coating Systems - PSA Line**





Dryer



Selected Features

- Dryer optimized to prevent skinning, liquid boiling of adhesive and blistering of adhesive layer
- Web tension control
- Configure to substrate

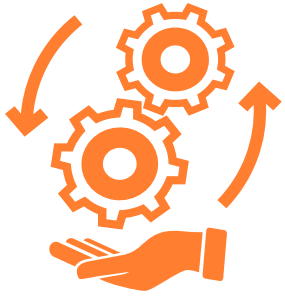
Integrator PRO supervisory control system



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

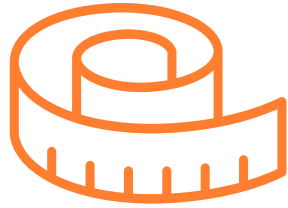
- Low cost of total ownership
- Regional locations for quick spares & support



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 liquid coating 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.

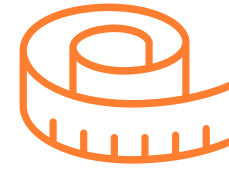
Customization Is Key

Major components of our liquid coating 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

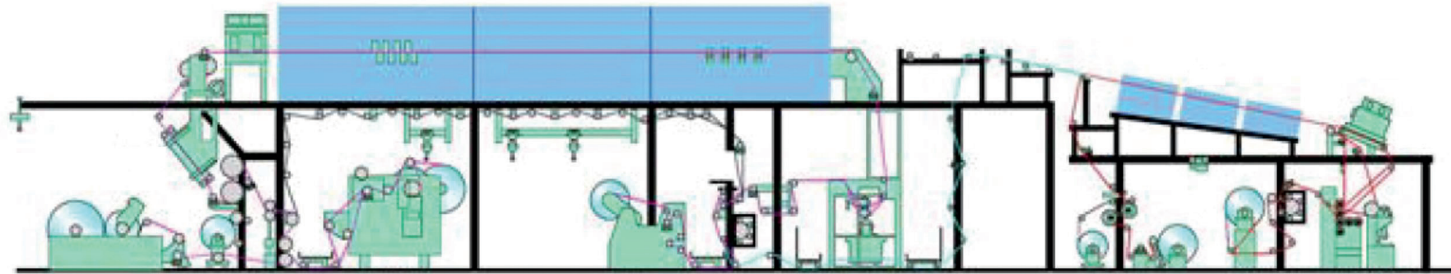
By consistently reviewing technology fundamentals, Davis-Standard addresses major industry trends of industry 4.0 & productivity improvements.





Research and Technical Center

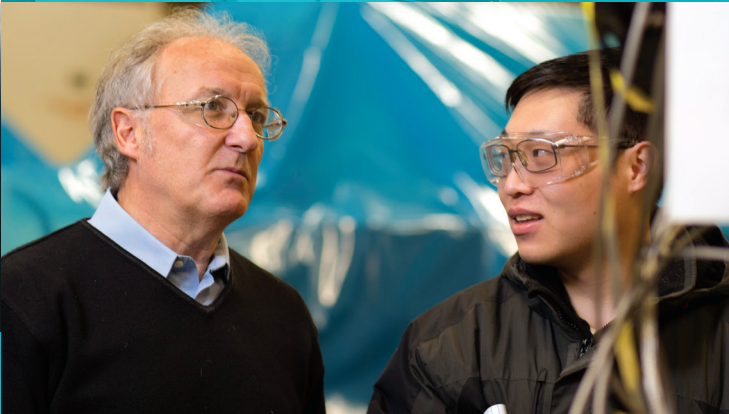
Tandem Coating Capabilities (Pressure sensitive adhesive & Silicone release liner)



Selected Features

- Max line speed 915 mpm or 3000 fpm
- 915 mm max web width (production lab)
- 460 mm max web width (pilot lab)
- 290° C maximum air temperature
- Nitrogen inerted UV
- AC vector drives
- Aqueous and/or Solvent coatings capabilities
- Scalable pilot & production lab
- Experienced personnel
- Slot die coater

Evaluate Coatings for Specific Products

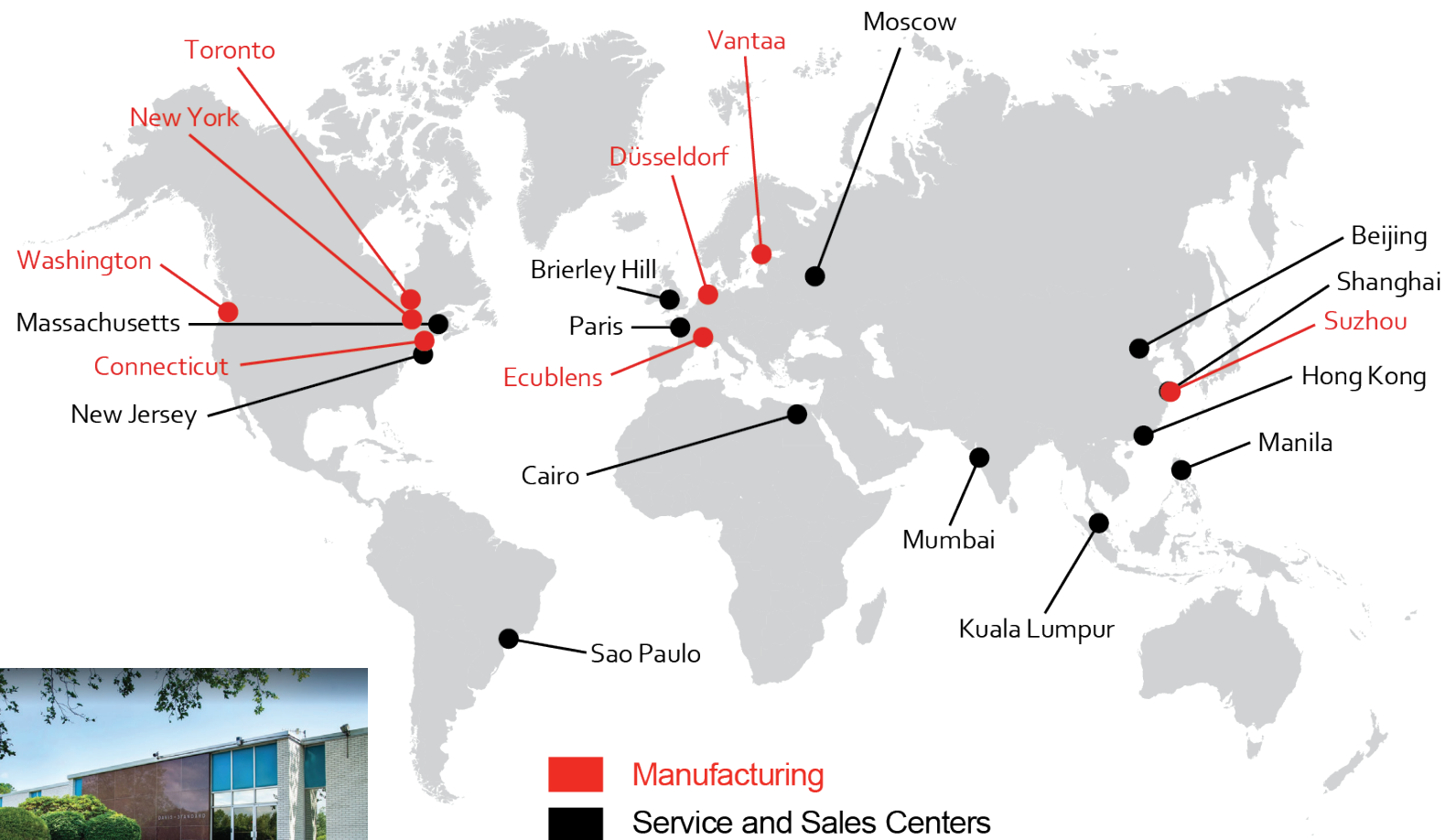




Davis-Standard - A Global Company

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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