

## **Paint Protection Film**

Best-in-class technology for optically clear paint protection film

## **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**

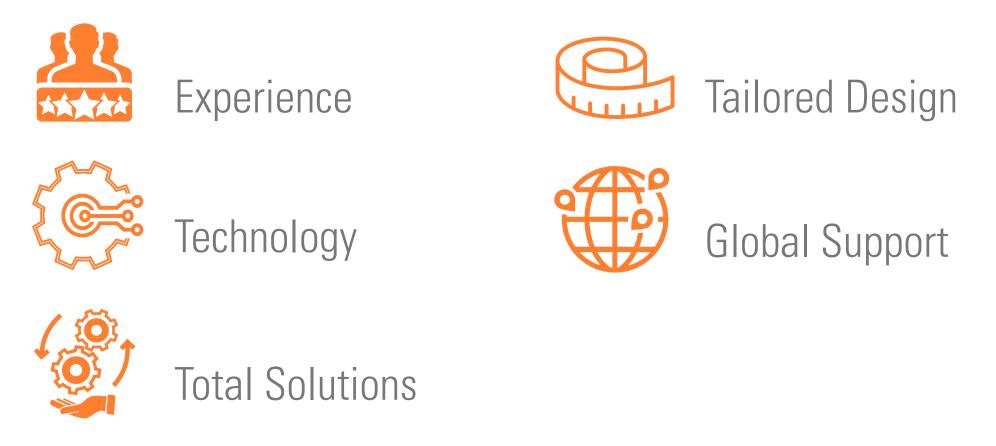
We exist to help you produce products that improve everyday life. Though we are removed from final production of your end products, we are central to the manufacturing of many of the world's essential, or even life-altering, products. Many of these products would not exist without us. Like you, we take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



## Let us tell you how...





## Process & Application Experience

- Adapt & design to customer's formulation
- Equipment design to match technical & business needs
- Continuous winder
- Web handling
- Quick change
- Coater

- Laminator
- Controls & drives
- Ancillary equipment



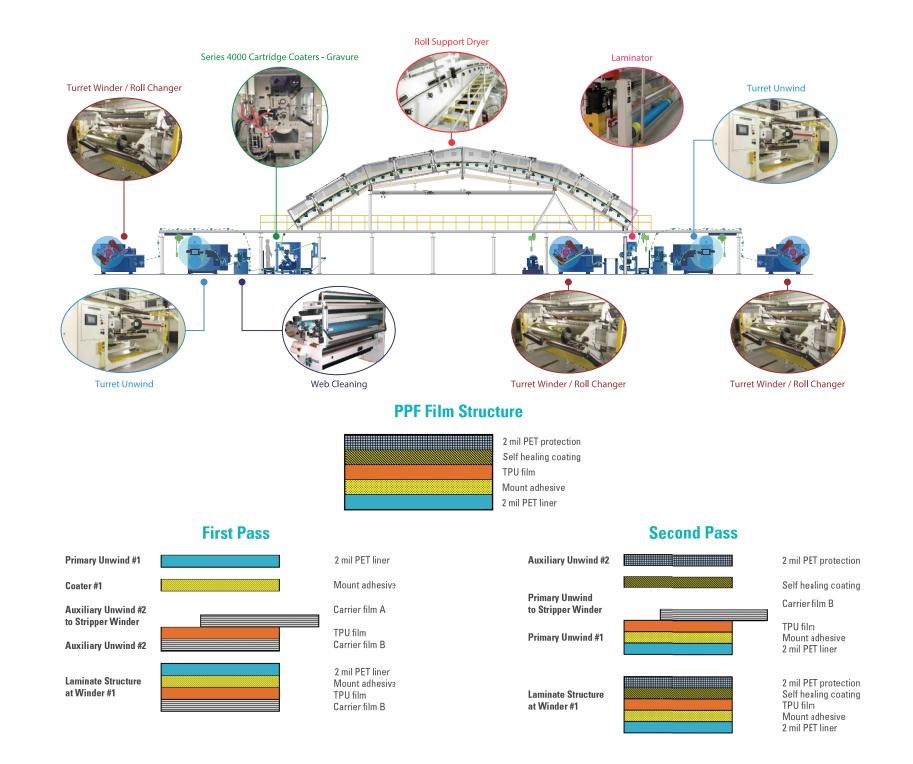
#### Paint Protection Film Line

- Tailored design to address diverse structures and business needs
- Technology for optical clarity and reduced waste
- Regional after-sales support / service centers



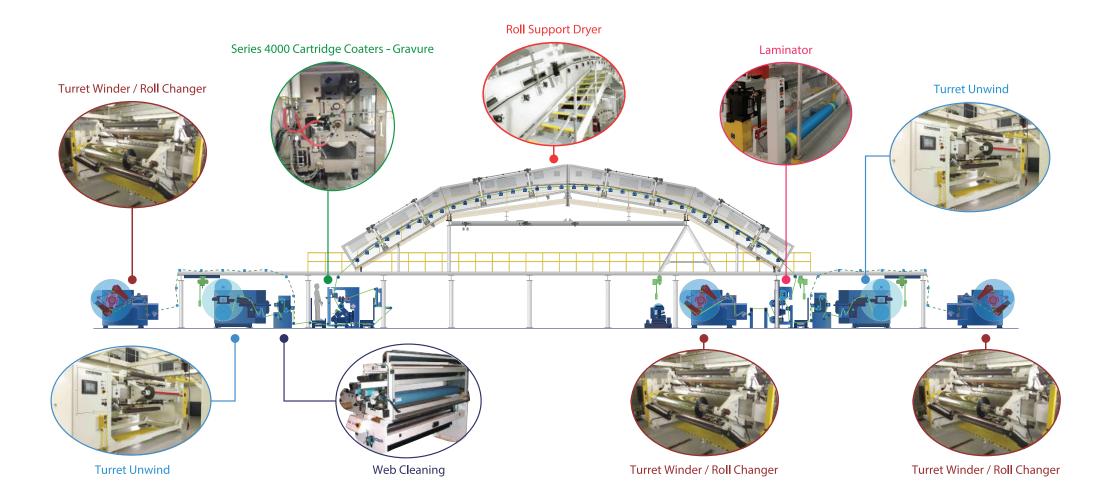
- Line speed up to 50 mpm (164 fpm)
- Width up to 2286 mm (90 inch)
- Cartridge coater
- Roll support dryer
- Stripper winders

	Coat Weights	% Solids	Viscosity
PS Adhesive	30 to 35 gsm	20 to 30%	< 550 cps
Self-Healing Adhesive	15 to 25 gsm	35 to 40%	< 50 cps





## Technology Liquid Coating Systems - Paint Protection Film





#### **Series 4000 cartridge coaters**



#### **Selected Features**

- Max process flexibility
- Changeover in 10 min. or less
- Easy to move cart by one person
- Additional cartridges added with no modifications or down time

#### Laminator



#### **Selected Features**

- Precision control adjustable for heat / cool drives
- Curl control for higher productivity
- Quick change design
- Experience with TPU for optical clarity

#### **Turret unwind**



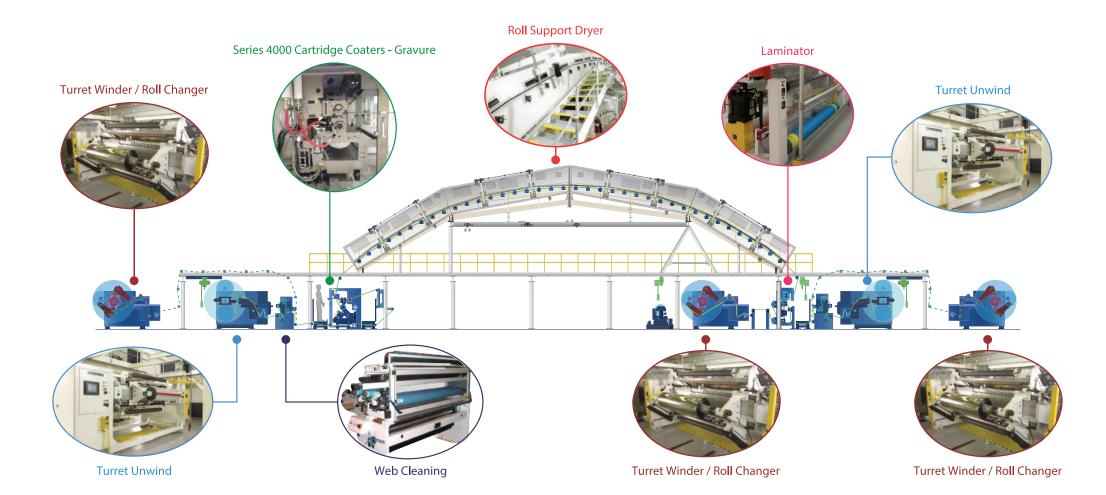


#### **Selected Features**

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



## Technology Liquid Coating Systems - Paint Protection Film





#### **Roll support dryer + Regenerative thermal oxidizer**





#### **Selected Features**

- Configure to substrate
- Temperature control
- Web tension control
- Regenerative thermal oxidizer for solvent extraction

#### 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

#### Web cleaner



#### **Selected Features**

- Self clean
- Contact web cleaning
- 2 sided





## We Offer a Total Solution



#### Stewardship - Start to Finish

PRE-SALE       - Tailored design based on customer technical & business needs         SUPPORT       - Pricing, timing and delivery options presented	2 PROJECT MANAGEMENT	<ul> <li>Workflow, process integration to track build &amp; delivery time</li> <li>Frequent 2 way communication</li> </ul>		
3 INSTALLATION & – Davis-Standard teams are the experienced/skilled in the ind – Operator & maintenance train	ıstry	ET   – 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

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9% \$8



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.

#### **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.

#### **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.

#### **Technology Leadership**

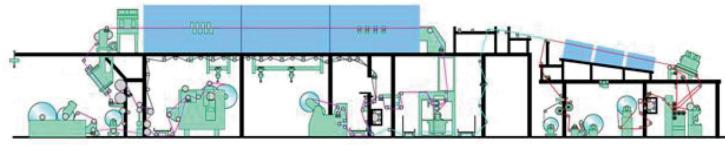
By consistently reviewing technology fundamentals, Davis-Standard addresses major industry trends of industry 4.0 & productivity improvements.





## **Research and Technical Center**

#### **Tandem Coating Capabilities**



### **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

- AC vector drives
- Aqueous and/or solvent coatings capabilities
- Scalable pilot & production lab
- Experienced personnel

#### **Evaluate Coatings for Specific Products**

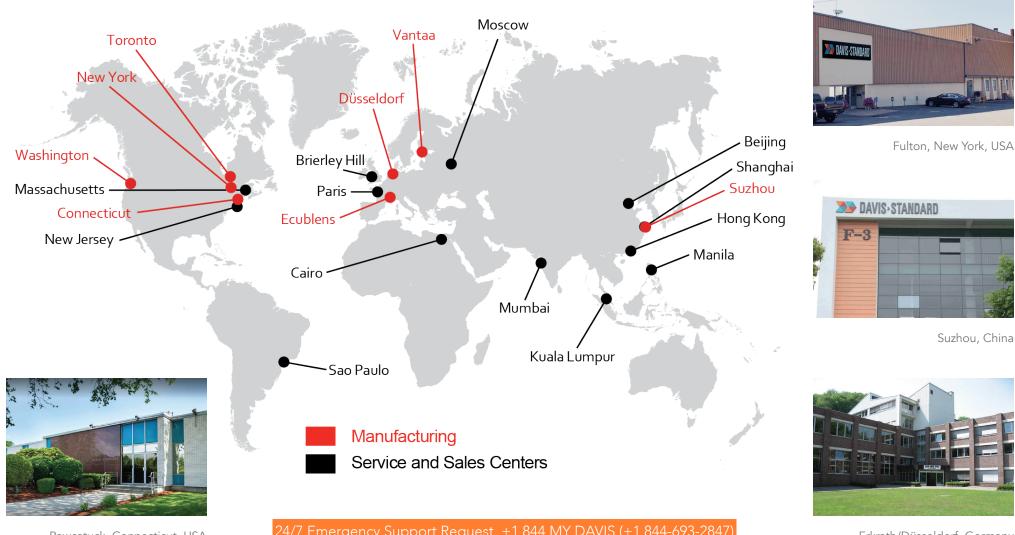




## Davis-Standard - A Global Company

Production Across Three Continents

- Quick Response Parts & Service



Pawcatuck, Connecticut, USA

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

Erkrath/Düsseldorf, Germany



#### 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.

+1 315-564-4375 www.davis-standard.com

