



Horizontal Winders

Best-in-class winder technology
for diverse applications

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

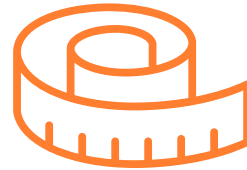
We optimize our customers' productivity and profitability by providing the best total solution (product + support). We serve our customers from a unique perspective. While our competition generally focuses on machine technology, we focus on providing the best total solution. That means, we supply the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

Davis-Standard Offers

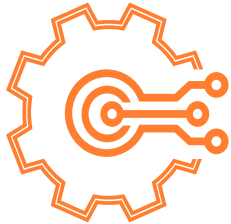
Proven equipment technology used by market leaders for the fastest payback due to increased productivity



Experience



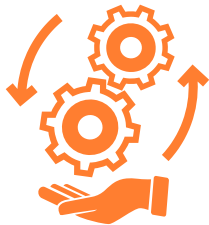
Tailored Design



Technology



Global Support



Total Solutions

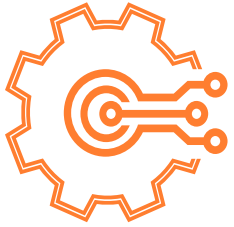
Let us tell you how...





Process & Application Experience

- Adapt & design to customer's structure and requirements
- Equipment design to match technical & business needs
- Best-in-class high speed winding
- Inline multi-slitting for improved efficiency
- Automated core position and transportation system
- Web handling
- Optimum roll quality
- Integrated lifting table for roll handling after winding

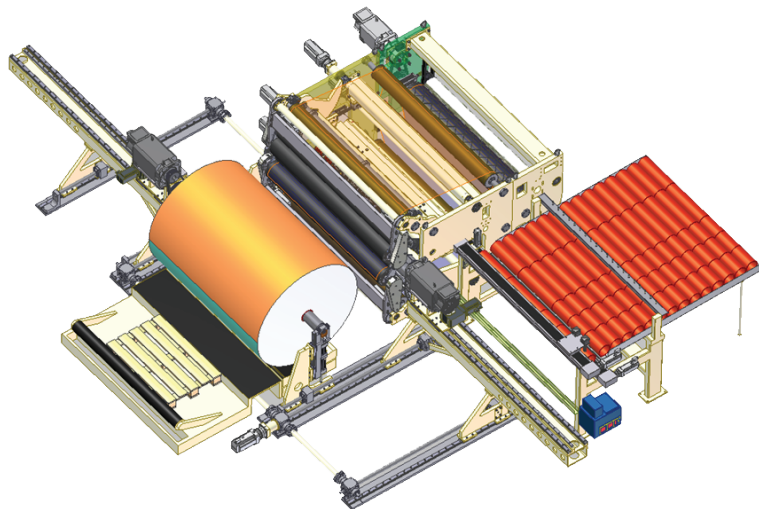


Case Study - Typical Horizontal Winder

Best-in-class winder technology for diverse applications

Horizontal Winder

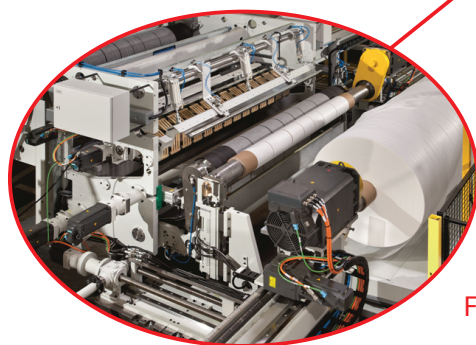
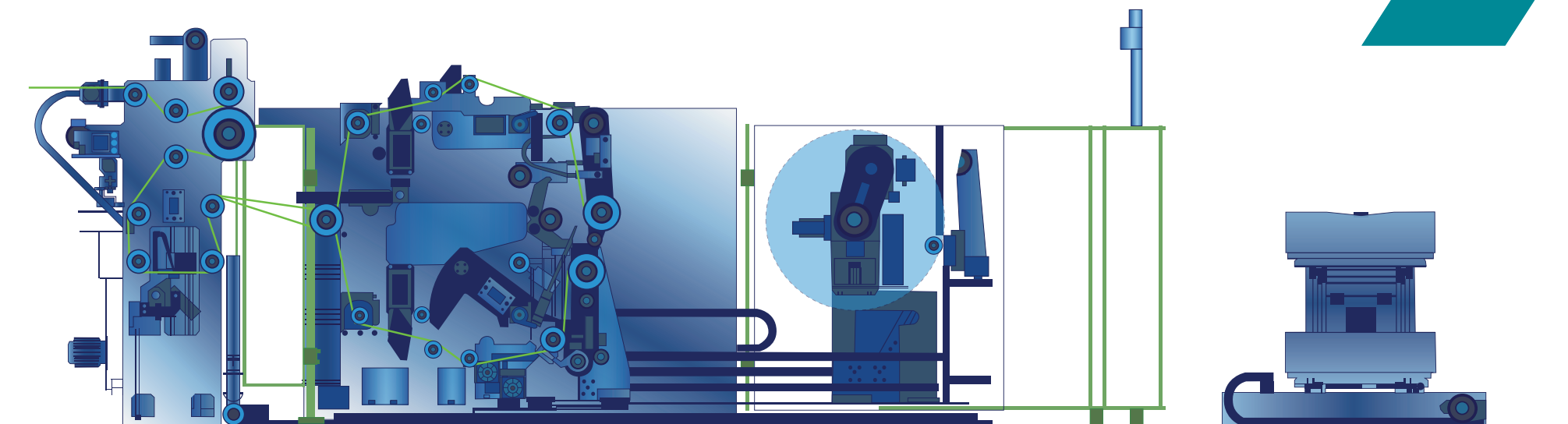
- Tailored design for best-in-class speed for thin gauge structures
- Technology for in-line multi-slitting enabling reduced waste and operational automation
- Regional after-sales support/service centers



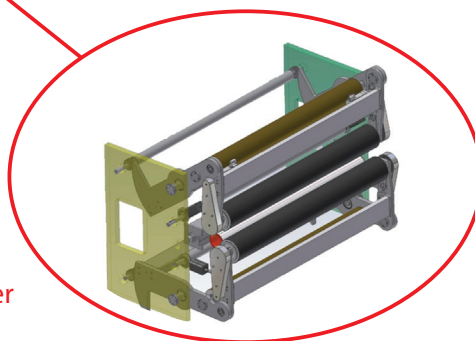
Applications

Hygiene films, barrier films, fabric coating, non-woven laminates, complex flexible structures

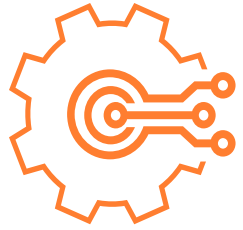
- **Web width** - Up to 2500 mm (98 inch)
- **Roll diameter** - 250 - 2000 mm (10 - 79 inch)
- **Winding direction** - 1 or 2
- **Speed** - 80 - 1000 m/min (263 - 3281 fpm)
- **Materials** - Paper - Film - Board
- **Tension** - Depends on web material
- **In-line slit width** - Depends on web material



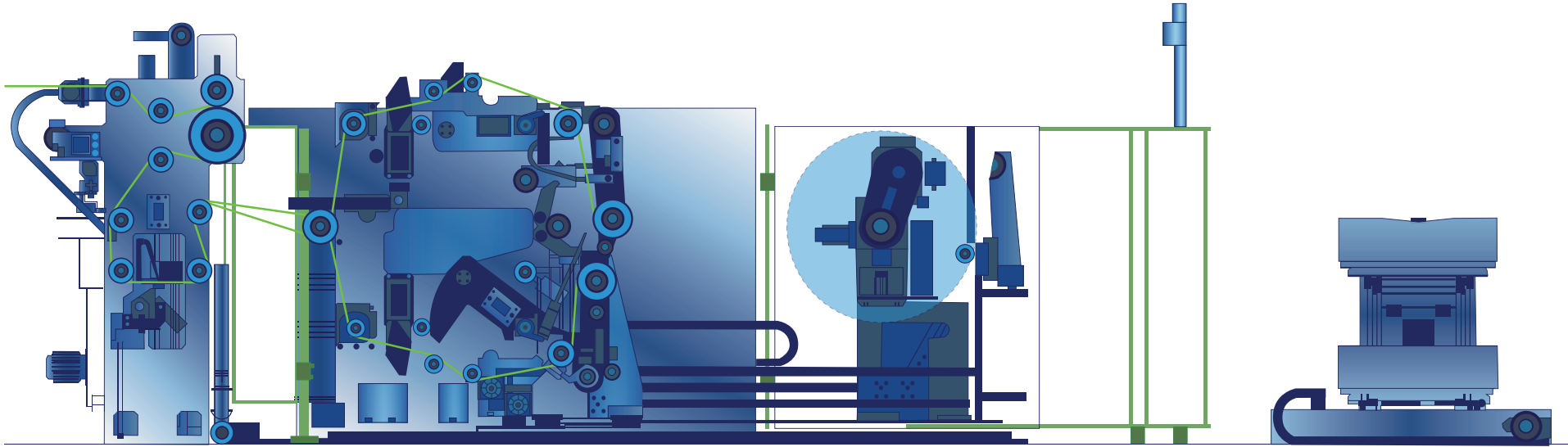
Fully Automatic Winder



Lifting Table



Technology **Winder Technology - Horizontal Winders**



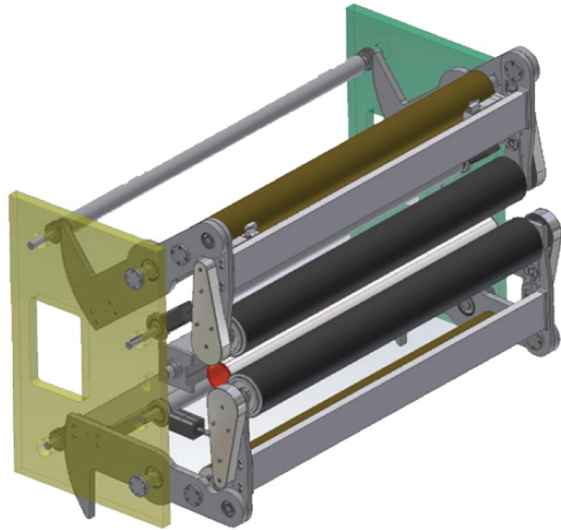
Inline multi-slitting for improved efficiency



Selected Features

- Automated core positioning and transportation system
- Narrow width inline slitting - razor blade, crush or shear cut type depending on the web material
- No trim/waste handling
- Optimum roll quality
 - Square rolls
 - No telescoping
 - No neck-in

Best-in-class high-speed winding (1000 mpm or 3281 fpm)



Selected Features

- Contact winding from start to end of the winding process
- Constant nip pressure and web tension
- Optimized web handling for thin gauge structures

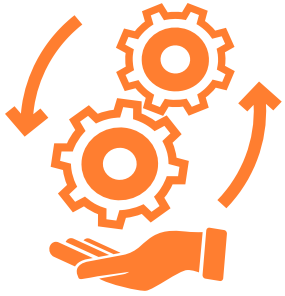
Operational excellence



Selected Features

- Integrated lifting table for roll handling after winding
- Automatic glueless splicing system
- Flexible design for one or two direction transfer





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

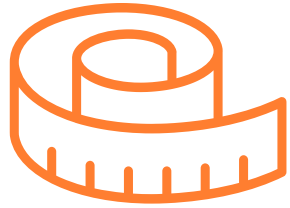
- Low cost of total ownership
- Regional locations for quick spares & support



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Collaborative Partner for your Equipment Needs





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 winders and converting product platforms that provide a competitive advantage.

Packaged Solutions

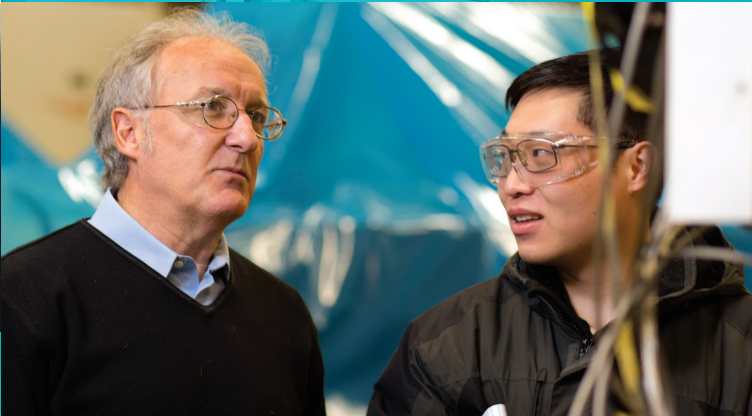
From concept to reality, experienced engineering teams turn specific objectives into high performance manufacturing solutions. Well-equipped pilot facilities enable customers to test and prototype concepts, building a foundation of confidence.

Customization Is Key

Major components of our equipment 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 newsolution to enhance existing capabilities.

Technology Leadership

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

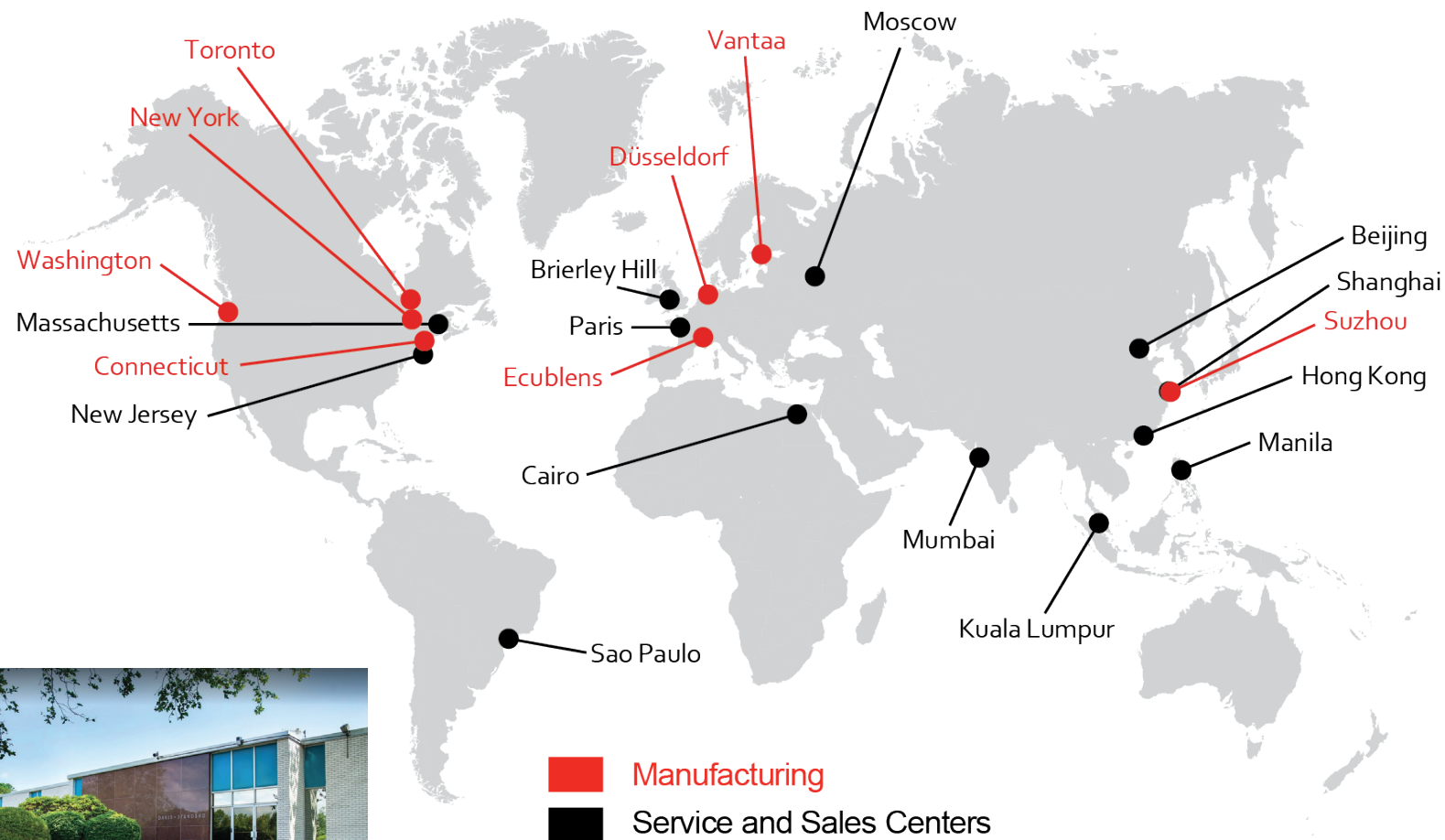




Davis-Standard - A Global Company

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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 **DAVIS-STANDARD**
Where your ideas take shape.