



The Technology Center's LabMaster Pilot Line is ideally suited for R&D and narrow web production.

## Trial That Idea You've Been Kicking Around

*Faustel's Technology Center is a modern process and product development facility available to customers interested in pursuing R&D without affecting ongoing production resources.*

### RESEARCH & DEVELOPMENT

The Faustel Technology Center is a resource for customers looking for solutions in web handling, converting, coating, laminating, and winding. Whether you are trying to improve an existing process, or are beginning with a new product concept, Faustel partners with our customers from development all the way through commercialization. Our in-house process expertise intensifies your development resources, accelerating your success and return on investment.

### OUR FACILITY

Faustel's state of the art facility includes three flexible development platforms. The TecMaster (175 mm), LabMaster (300 mm) and Pilot Line (600 mm) are all capable of aqueous, 100% solids and solvent-based coatings using a wide variety of methods including slot die, comma roll, knife over roll, gravure, and hot-melt coating.

The main pilot line is configurable for more than 40 coating methods, and is designed to leverage all well-known drying and curing technologies as well as a wide variety of laminating, and winding capabilities. The strategic placement of four unwinds and three rewinds allows for a wide variety of web paths, offering numerous combinations of coating and laminating process configurations. The key to our line is its flexibility, which allows customers to closely emulate processes used on their existing production lines.

### EQUIPMENT TRIALS

Test our innovative coating and laminating equipment before you buy. The Faustel Technology Center showcases the latest in technology, equipment and hands-on experience. Run your product on the same equipment you are considering for your facility.



The Technology Center's TecMaster is an ideal choice for small-scale laboratory and R&D work.

SCAN For Information

TECHNOLOGY CENTER

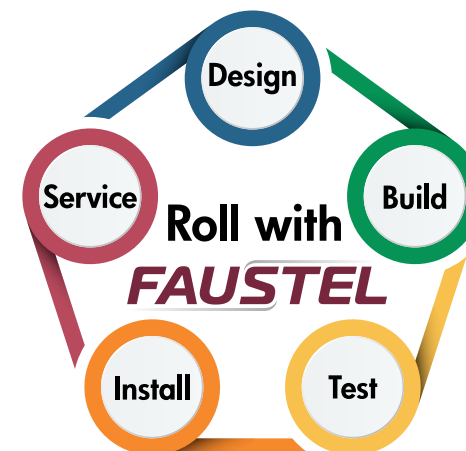


# FAUSTEL

## Engineered & Built To Meet Your Unique Specifications

### Leading-Edge Technology

- Unwinding & Winding
- Auto-Splicers & Core Transfers
- Coating (Fixed Frame or Cartridge)
- Laminating (Wet, Dry, or Thermal Bond)
- Drying (Roll Support, Belt, or Air Flotation)
- Curing (UV, E-Beam)
- Auxiliary Systems Integration (In-Line Coat Weight Measurement, Solvent Recovery & Distillation, Thermal Oxidizers, Closed Loop Coating Delivery, Corona Treatment, and Web Cleaners)
- Clean & Dry Room Configurations
- Drives & Controls
- Installation & Start Up



Coating • Laminating  
Winding • Drying • Controls

### Pre-Engineered Solutions (TecMaster, LabMaster and MCL)

- System Options Configurable to your Process
- Rapid Delivery
- Economical to Install

### Specialized Solutions

- Battery and Battery Separators
- Reverse Osmosis Membranes
- Window Film
- Tape and Label
- Vinyl Casting
- Foil Lamination
- Medical Device & Pharmaceutical
- *Don't see your solution? Please call (262) 253-3333.*

### Custom Solutions

- Proven technology configured to your unique process requirements
- Stand-alone components and complete lines

## Process Development

Test • Adjust • Prove  
**QUALITY**  
We Help You Succeed

The In-House Technology Center is available for product development. It incorporates all well-known drying and curing technologies as well as a wide variety of coating, laminating, and winding capabilities.

## Parts & Service

(262) 253-3333  
**24-Hour**  
Technical Support Line

The 24-hour Technical Support Line is staffed with engineering specialists who have access to drawings, PLC programs, and vendor information to provide a quick response and minimize your downtime.

## Contact

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# FAUSTEL

  
Technology Center

The Global Leader in  
Custom Converting Technology



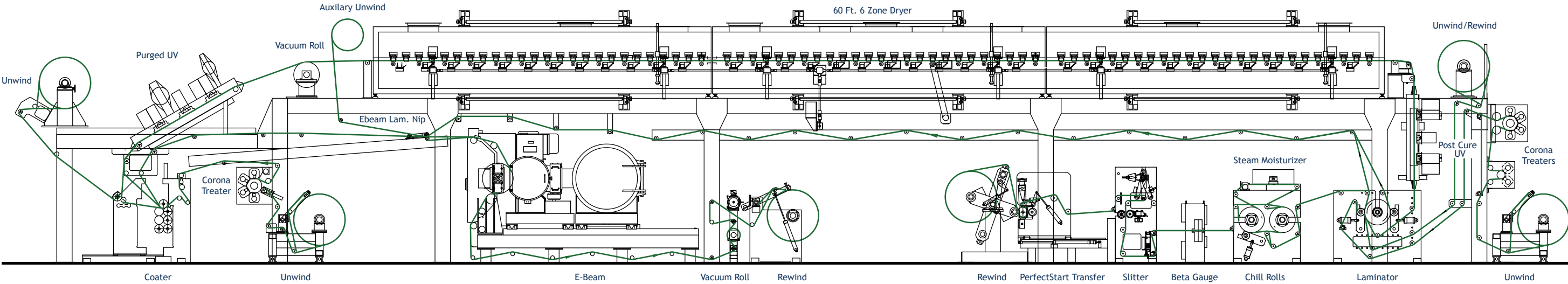


# Process Expertise for Product Development

Faustel’s 60+ years of knowledge in innovative converting equipment design and manufacturing provides a great starting point for product development. Our Process Development & Technology Center can help critical development projects move forward without affecting your production schedule, while offering a cost benefit.

Our expertise can support you in many ways:

- Test new coating formulations and explore alternative coating methods
- Evaluate material for suitability with Faustel’s patented zero waste automatic transfer (PerfectStart™) and rewind
- Specify limits for thermal lamination, and establish necessary energy levels for UV or E-beam curing
- Define an entirely new process and size applicable drying or curing methods



## 600 mm Pilot Line Specifications

<b>COAT:</b>		<b>CURE/DRY:</b>	
Multi-Function:	24+ modes; 5 slot dies, 30 Rolls, 5 Driven Rolls, 6 Supply Pumps, Wet Bond Laminator, Hot Melt	Inert UV Dryer:	Nitrogen Purged 3 x 150 - 600 Watt/in
Slot Die Options:	Fixed & Adjustable Lip	Post Cure UV:	3 x 150 - 600 Watt/in
Corona Treatment:	30 - 46 Dynes	Electron Beam:	80 - 150 kV; 3,940 Mrad ft/min Chilled Backing Drum
<b>CONTROL:</b>		Floatation/Idler Dryer:	60 ft (18.3 m) with 6 Zones Max Air Temp. 600° F (315° C)
Web Speed:	10 - 2000 ft/m (3 - 610 m/min)	<b>LAMINATE:</b>	
Web Width:	6” - 24” (150 - 600 mm)	90 PLI Wet & Dry Bond	
Core Sizes:	3” & 6” (76 & 152 mm)	Independent Nip Pressure	
		Oil Heated Max 480° F	

## Coating Methods

