




Located in Green Bay, Wisconsin - Operations: **920-983-8000** Sales: **920-983-8008**

<https://www.sierracoating.com/products-services-thank-you> > Page: 1

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Equipment Specifications

Sierra Coating Technologies LLC provides comprehensive coating and lamination solutions. We are committed to supplying our customers with product specific coatings and laminations with pinpoint precision and the best tolerances.

Wide Web Machines

Two 62" coaters with wet & dry lamination capabilities

- Gravure, offset, and slot die coating as primary methods
- Two-zone flotation drying method
- Product coating width between 25 inches and 62 inches
- Roll outside diameter of up to 60 inches (weighing up to 3,500 pounds)
- Slot die – multiple pumps for different coatings
- Pan and blade – for high coating weights
- 3" to 12" cores on and off

Hot Melt Coater/Laminator

47" hot melt coater with lamination capabilities


- Gravure – two roll offset as primary method
- Designed for low to medium coat weights of hot melt barriers and adhesives
- Offset gravure
- Thermoplastic coating melt point up to 300° F
- Viscosity – 500 cps to 5,000 cps at operating temperature
- Width on – 15" to 47" raw roll stock
- Up to 50" outside diameter rolls on and off
- 3", 6", and 12" cores on and off

Converting Capabilities


- Slitting and rewinding
 - Lightweight to board weights
 - Center wind
 - Cut width from 3" to 62"; contract slitting any width
- Cores 3, 5, and 6 inches

Your Finished Product


Our equipment can accommodate material rolls with core sizes of 3, 4, 6, 8, or 12 inches. Finished products can be delivered in any of the following formats:



On the master roll



In small slit rolls



In sheeted form

Contracted Sheeting & Printing


- Contracted sheeting of finished goods
- Printing can be arranged as pre-printed or post-printed rolls

Sierra Coating Technologies LLC
1820 Enterprise Drive De Pere, WI 54115

Phone: 920-983-8008
Fax: 920-983-0136

Website: www.sierracoating.com
Contact Us: sierracoating.com/contact

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Sierra Coating Technologies LLC provides comprehensive lamination solutions. Our equipment can accommodate a wide range of material, from thin films and nonwovens to heavyweight papers and linerboards up to 40pt.

Permanent Laminations

Advantages & Capabilities of Sierra® Permanent Lamination Services

- Water-based, hot melt adhesives
- Wide range of water based adhesives that can be changed quickly on machine for variations in products, performance and specifications.
- Coating add-ons with optimized coating weights and optimal run speeds.
- Wide range material capacity from 20" to 62" wide.
- Two laminators are equipped with flotation dryers and can perform laminations before or after the drying ovens.
- The third laminator uses hot melt adhesive coating.

Going Beyond Standard Adhesives for Opacity & Security

| Application(s) | Recommended Adhesive |
|---------------------|---|
| Indoor retail signs | Black glue in the adhesive prevents the print from showing through. |
| Aisle banners | |
| Game cards | Colored glue adds security against counterfeiting. |
| Ticket Stock | |

Multi-Layer Substrates for Barriers, Printing, & Tear-Resistance

| Application(s) | Recommended Adhesive |
|----------------------------|--|
| Aisle banners | 2-4 layers of paper |
| Cover stocks | |
| Direct mail | |
| Gift cards | |
| Phone cards | |
| Playing cards | |
| Tickets | Up to 6 layers of paper |
| Specialty lamination items | |
| MET-PET products | Metalized film-to-board lamination |
| Holographic packaging | MET-PET to SBS board for printing |
| High-end retail packaging | |
| Folding carton (36 pt.) | Solid Bleached Sulfonate (SBS) to Linerboard |
| Heavy-duty, large box | |
| Indoor/Outdoor tags | Paper-film paper |
| Tear-resistant cards | Paper-to-film lamination |
| Food barrier packaging | |
| Paper plates | |
| Window blinds | Film-to-nonwoven |
| Custom label stock | Silicone liner to face stock |

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Contact Us: sierracoating.com/contact/

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<https://www.sierracoating.com/products-services-thank-you> > Page: 4



SIERRA
COATING TECHNOLOGIES LLC

Product Development

Expand your product line and grow your business with product development support from Sierra Coating Technologies LLC. Sierra® will help your company be the Fastest From Idea to Market.

Product Development Services

- Raw material planning
- Trial the coating on production equipment
- Quality testing of product

The Sierra Advantage

- Proven development process with systems for research, testing and approval
- We'll share our ideas to help you develop your intellectual property
- Our production equipment and technical resources are available to meet your demanding development and travel schedules

Product Development Stages

- Product options, material definitions and vendor identification
- Cost analysis for material and production options
- Formal quotation and quantity price breakdown
- Small trial runs on production equipment to define coating method, quality specifications and production speed
- Production ramp-up trials to create sales samples and test final converting and packaging

Contract Manufacturing & Toll Coating

- Sierra's customers rely on our equipment and systems to manufacture their product. You can rely on Sierra as part of the branded product supply chain, working to offer our services at a price point attractive to developing or established brands.
- Customers that manufacture or source a base paper or film often supply the material for converting. This helps reduce additional markups in competitive markets.
- Customers that have developed or sourced a proprietary coating often supply the coatings for converting.
- Our customers may also choose to have Sierra supply raw material and manage finished converting, logistics and inventory.

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<https://www.sierracoating.com/products-services-thank-you> > Page: 5



Sierra Coating Technologies LLC has over 20 years of experience making specialty printing substrates. Originally a coater of carbonless paper and inkjet papers, Sierra[®] now manufactures products in 20 unique market segments.

Sierra applies coatings to create high performance substrates. We build custom web materials by coating and/or laminating a variety of papers, films, and synthetic materials. Sierra is the right choice to help you meet your high performance product specifications.

We produce and can help you develop high function substrates with:

| |
|--|
| Heat seal for all types of food and package goods |
| Blister packages for consumer package goods |
| Adhesives both permanent and PSA for tapes and labels |
| Silicone release for food processing |
| Barrier for food packaging |
| Print receptive for paper and film that work with digital, Flexo or offset |
| Opaque/opacity for printing stocks and tickets |
| Anti-skid/anti-slip |
| Anti-static |
| Anti-microbial |
| Slip for converting processes |
| Flame retardant |
| Hard coats |
| Chemical resistance |
| Abrasion resistant decoration |

Coatings include: Aqueous coatings, hot melt, solventless, waterborne, and color concentrates.

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[Specialty Substrates & Coatings Fact Sheet](#)