

For coil coating and handling requirements, look to the leader...

CHEMCOATERS



Where Innovation and Technology Never Rest



Click here to listen to an introduction on Chemcoaters from our Director of Sales & Marketing, Mike Tieri...



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It's in our "nature" to be green, so check out all the advantages of our long-term sustainable coatings, including Dry Film Lubricants (DFL) and RoHS compliant coatings, as well as environmentally-friendly prepaints.

As you browse this interactive brochure, please click on the photos indicated for a video virtual tour of our industry-benchmark facility in Gary, Indiana, home to the American steel industry.

Our services include the application of standard and custom formulations of acrylic DFLs, waterborne prepaints with low-to-no VOCs, pretreatments with chrome, non-chrome and RoHS compliant

coatings, passivation coatings for all popular substrates, thin-film coatings for all aesthetic-sensitive and high-touch consumer products, plus an assortment of mild and aggressive coil cleaning and surface prep technologies used for increased storage or in coil reclamation processes.

Customers include mills, service centers and OEM's alike. As a custom toll coater, Chemcoaters can provide a full battery of services and formulae to meet the needs of most any customer application in the industry.



Our markets today include:

TRANSPORTATION ENERGY
OFF-HIGHWAY BUILDING &
VEHICLES CONSTRUCTION
CONSUMER GOODS, FROM APPLIANCES TO ELECTRONICS



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THE PLANT



Click here to see it all in action
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Started in 2001, Chemcoaters today processes coils up to 72" wide, 20" or 24" ID and 72,000 lbs. in thicknesses from 0.008" to 0.127". We handle all popular substrates, including:

- CRS
- HRS
- EG
- HDG
- Galvalume
- Galvaneal
- Stainless
- Aluminum
- ...and more

Our line comprises uncoiling, straightening, cleaning, coating, IR curing, full inspection, recoiling and the most modern equipment in the industry for packaging. Our inspection, trim/slitting line runs up to 1000 FPM, while our cleaning and coating line runs at 800 FPM.



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And, of course, the support staff at Chemcoaters makes a big difference in the delivery of our overall value. You'll find these folks to be among the most knowledgeable, creative and technically innovative in the industry. One size NEVER fits all at Chemcoaters.

Complementing our line is our lab, where IR testing and a variety of surface testing procedures are performed. Plus, our chem lab works in concert with our coating suppliers to constantly update the products we apply, to ensure their compliance, performance, durability and surface integrity.

Chemcoaters preps all the rollers used in our "light and low touch" facility, so the products you send us for processing are contacted in exactly the right manner for the job at hand.

In parallel to our production line is our coil inventory, staging and materials handling area, including two overhead, high-speed cranes and in-plant rail service.

End to end, Chemcoaters lives out its green commitment. You'll find total recycling and environmental containment in every corner of our facility, from the coil entry layer separation paper to every downstream chemical used and VCI-impregnated plastic wrapping on finished coils. Although the vast majority of our coatings are waterborne, we take great care in capturing any emissions, liquid or vapor, that might contain even the slightest trace of hazardous chemicals. Chemcoaters works closely with customers who have engaged Green Initiative and LEED programs, making us a premier Green Coil Coater for you. Ask us about the Chemcoaters GREEN ADVANTAGE!

[\(click for brochure\)](#)



THE PROCESS

Chemcoaters acrylic DFL's have a very low coefficient of friction, from 0.04 to 0.10, meaning deep draw stampings, for example, require no secondary wet lube and, in many cases, make products that could not previously be drawn producible on lower tonnage presses. Combined with an often lighter gauge material possible in forming the part, these products yield significant cost savings to end users, while making the service center's value proposition more appealing.

[\(click for website link\)](#)

Our pre-painted coils have the environmental benefit of water-borne coating plus low-to-no VOCs. The Chemcoaters line comprises multi-stage alkaline cleaning, 4-stage brushing (2 on top, 2 on bottom), 2-stage rinsing and a dry-in-place pass with heated air drying.

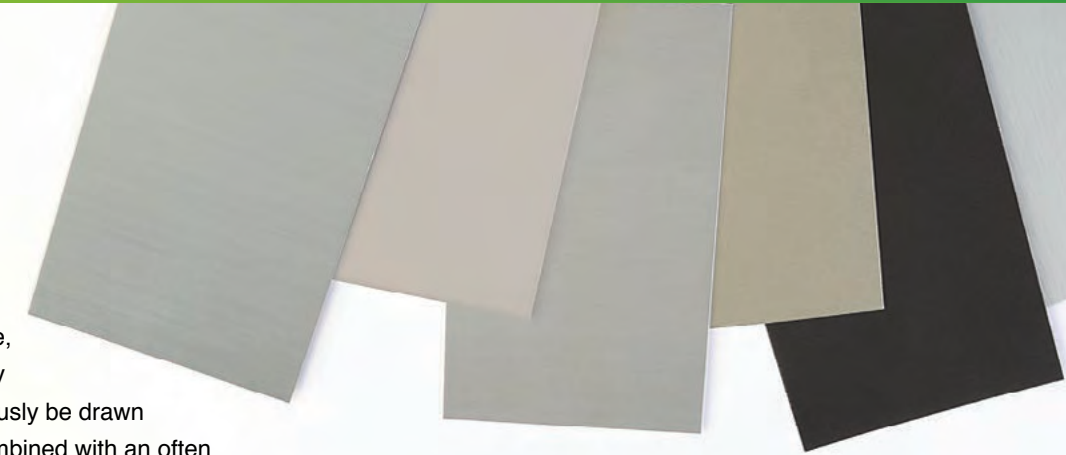
Two-sided vertical inspection areas are positioned before and after the precision load-cell controlled coating stages, while our IR oven is constantly controlled for material width/thickness and coating performance optimization.

Material contacts just 13 rollers after the coating occurs, making our "low touch" system the industry standard, compared to most coil coaters. In this case, 13 is a very lucky number!

Our preprints are engineered to suit all application requirements, including rollforming, welding, deep draw, chemical and corrosion resistance. We offer an array of thin-film coatings for motor lams, conductivity issues and anti-fingerprint characteristics.

[\(click for website link\)](#)

Chemcoaters pretreatments and chemtreats (passivations) are applied to metals that are either oiled or dried. Our cleaning process is the benchmark of the industry for both removal of oil, dirt and corrosion as well as our dry-in-place process, meaning there are no waste by-products produced. All coatings are either applied or captured and returned to a container in a completely closed process. We do no water quenching after treatment and drying occur, rather we utilize a chiller roll system which eliminates any chemical wash that needs capture and treatment before disposal.



Pretreatments are most often used to prevent corrosion under an organic coating. Our pretreatments can be chrome, non-chrome or RoHS compliant coatings.

Chemtreats or passivations are applied to all zinc-coated metal substrates such as HDG, HDGA, Galvan®, Galvalume®, Galvaneal®, Aluminized CRS and Electro-Galvanized Steel. Their purpose is the enhancement of corrosion resistance without the need for a secondary organic coating. They provide additional storage shelf life as well as added protection of the metal in outdoor or other ambient environmental conditions.

Chemcoaters has been working with its suppliers in the development and application of thin-film coatings, combining organic and inorganic coatings for enhanced performance characteristics in metal products used in the building, appliance and consumer electronics markets, among others.

[\(click for website link\)](#)

Reclamation might seem a sidebar to our great coil processing story at Chemcoaters, but it has become a vital part of our service package. Our cleaning process comprises two 34' long high-pressure alkaline (non-phosphate) cleaners. Sandwiched between the cleaners is a 4-stage rotary brushing unit, with 2 top and 2 bottom brushes. We finish with a 2-stage hot water rinse, a chrome-free chemtreat applicator, when required by the job, and finally a hot air drying station.

Chemcoaters has successfully reclaimed secondary materials and converted them back to prime condition, as a result of our processing capability. This applies to nearly every substrate on the market today and it is a great source of pride for our company.

Our service can be a positive resource for any mill, service center, transport vendor, reclamation or insurance resolution company.

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Click here to listen to a message from Chemcoaters President, Bill Capizzano

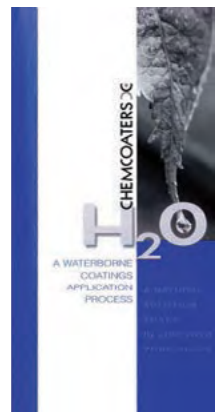
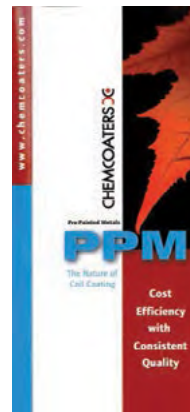


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DOWNLOADS

Click on the brochures below to view all the technical specs for our many products and services

GENERAL LINE SPECIFICATIONS		
LINE SPEED	Inspection, Trim/Splitting Maximum.....1,000 FPM	Minimum.....100 FPM
LINE SPEED	Cleaning and Coating Maximum.....800 FPM	Minimum.....10 FPM
STRIP MATERIAL	HRPO, CRS, HDG, GLVN, GLVA, EG, AZ, AL, SS, TI and ZN	
STRIP WIDTH	Maximum.....72"	Minimum.....20"
STRIP THICKNESS	Maximum.....0.127"	Minimum.....0.08"
ENTRY COILS	Coil Weight.....72,000 lbs. max. Coil I.D.....20" and 24"	Coil O.D.....84" max., 34" min.
EXIT COILS	Coil Weight.....72,000 lbs. max. Coil I.D.....20" and 24"	Coil O.D.....84" max., 34" min.
INCOMING COILS	Must be Coil Coatable	
OUTGOING COILS	Tight straight edge or stagger wind	
PAYOFF/REWIND	Over/Under wind	
CROSS-SECTION	6.50 sq. in. (World's Largest Capability)	



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