



INDUSTRIAL CHEMICALS ENGINEERED FOR THE METAL INDUSTRY

Proven Product Performance

CUSTOMER SUPPORT LAB

Our Research & Development lab is very well equipped and staffed with highly qualified chemists and engineers to carry out research and product development, equipment design and to perform customer required testing as needed. Our lab is ISO 9001:2000 certified for design requirements and is an integral part of our customer support activities. Below is a partial list of the equipment and testing available for our customer's benefits!

QUALITY ASSURANCE LAB

As part of our company being ISO 9001:2000 certified, all raw materials and finished products must meet our stringent quality specifications. Every batch of product we make is traceable to its raw materials. All reagents used are certified to the applicable NIST standards and each test we perform complies with the applicable ASTM methods or the generally accepted analytical chemistry methods.

DOCUMENTATION SUPPORT

For further information, recommendations and other regulatory information please refer to the individual Product Data and Material Safety Data Sheets and/or contact Lincoln Chemical.

Metal Cleaning

We have a large variety of superior quality acid, alkaline, non-phosphate, low-phosphate, solvent, low conductivity, and neutral pH cleaners for almost any application. Our products are designed and have been proven very effective for operating in multi-stage spray systems; agitated immersions; high pressure and steam wands; a large variety of mass finishing equipment; soak tanks; cabinet, screw and belt washers; general purpose and solvent replacement systems.

Conversion Coatings

We offer conventional iron and zinc phosphates as well as new technology low temperature conversion coatings. These new conversion coatings contain no regulated heavy metals and have little to no phosphate depending on the application. Our products are for multi-stage spray systems, agitated immersions, high-speed coil lines, or high pressure and steam wands. Our conversion coatings line of products is very diverse, proven and innovative. We offer a wide variety of support products for any metal paint pre-treatment process.

Final Seals and Rinses

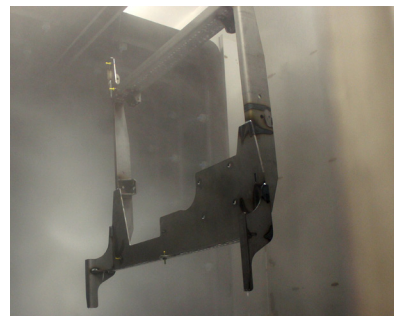
We have a full line of final seals and rinses to accommodate and compliment any process. Our sealers and rinses promote corrosion resistance, enhance paint adhesion and increase salt spray resistance. We have blends of phosphoric acid, alkaline, amine, polymer, as well as the new generation of zirconic acid and polymer blends

Aluminum Finishing

We offer in-process chemical products designed specifically for aluminum processing. Whether applying a pre-paint coating or simply de-smutting and etching, we can provide the precise products for any aluminum processing. We have dry in place conversion products for aluminum painting as well.

Mass Finishing

Our products are used for brightening non-ferrous metals especially yellow metals, deburring ferrous and non-ferrous metals. We supply burnishing, derusting, and cleaners designed to be used in vibratory bowls or tumblers. Our products have been designed to meet our customers required high quality standards.





The Leader In Service

Products You Can Depend On

IN-HOUSE EQUIPMENT

- 7 Stage Pilot Spray Washer
- Agitated Immersion Washers
- Powder Paint Booth
- Industrial Cure Oven
- Liquid Paint System
- Salt Spray Cabinets
- Humidity Chamber
- Electronic & Analytical Balances
- Conductivity & pH Meters
- Scanning Electron
- Atomic Force Micrography

TESTING CAPABILITIES

- Conversion Coating Weights
- Paint Adhesion Testing
- Paint Adhesion Measuring
- Dry Film Thickness
- Impact Test
- Conical Mandrel Test
- Film Hardness Test
- Salt Spray Test
- Total Dissolved Solids
- Total & Active Acid Test
- Alkalinity Test

CUSTOMER SERVICE

4331 Eastland Drive
Elkhart, Indiana 46516

Phone: 888-588-3488

info@lincolnchemical.com

www.lincolnchemical.com



Learn more about Lincoln Chemical and take a tour of our manufacturing, blending, & testing facilities.

Metalworking

We have one of the most technologically advanced line of machining and grinding fluids available on the market today. Our machining and grinding fluids are formulated with the finest refined oils, emulsifiers, and base stocks available. They are all fortified with unique combinations of anti-microbial agents, corrosion inhibitors, and foam control features that make them suitable for central systems as well as single machines. Our machining and grinding fluids provide a range of metalworking solutions from light duty grinding and cutting to heavy duty high speed operations of both ferrous and non-ferrous metals.

Metal Forming

We offer a complete line of metal forming compounds designed to provide solutions for a variety of operations. Our forming compounds are formulated with a balance of boundary and extreme pressure lubricants while providing the clinging and film qualities needed for formability, extended tool and die life, and excellent surface finish. Our products are well tested and proven in many high-speed progressive stamping and drawing operations.

Corrosion Inhibitors

There are two major types of chemistries used to combat and control corrosion and rust. They are corrosion inhibitors and corrosion preventing compounds (CPCs). We have the most diverse and complete line of corrosion control products available. Our corrosion control products provide a range of compounds for both ferrous and non-ferrous metals from controlled humidity indoor applications to the most extreme outdoor environments.

Process Water Treatment

Our advanced cooling, chiller, and boiler products are developed to optimize overall performance efficiencies. Our product line provides complete solutions for process water treatment that combat corrosion, scaling, general and biological fouling as well as organic and inorganic deposits. We have products designed for the treatment of cooling tower systems, which include both "One Drum Programs" and segregated products programs.

Paint Strippers

Our wide range of products are used in hot or cold immersion systems. We supply thixotropic, alkaline, solvent (methylene chloride and non-methylene chloride), and neutral strippers. We carry stripping additives to be used with caustic to decrease stripping times.

Paint Booth

We offer a complete line of industrial chemical products to clean, protect and maintain paint booths, including solvent and water based peelable coatings.

Maintenance

We offer a wide range of specialized maintenance programs and products to keep an industrial facility clean and improve the efficiency and life of the equipment.

