

Coral Chemical Company has invested in a complete state-of-the-art laboratory facility and knowledgeable staff that offers our metal products manufacturing customers a variety of valuable lab services:

- Product Development
- Quality Control
- Analytical Services
- Performance Testing

Our commitment to fast turn-around on analytical results reduces downtime and increases profitability for our customers.

Product Development Support Based on Your Metal Finishing Needs

The Coral Chemical Company product development team applies current market research, the latest technologies available, and knowledge of customer operations to identify and qualify chemical pretreatment programs, troubleshoot customer or prospective customer issues and the initial development of chemical pretreatment programs to meet our customers' metal finishing needs.

Product development is performed based on:

- customer needs
- energy efficient pretreatment programs
- environmentally-friendly systems
- market trends
- troubleshooting pretreatment chemicals and processes for customers and prospective customers

Delivering Quality Metal Finishing Chemicals Backed by Our Technical Support

Our goal at Coral Chemical Company is to provide our customers with quality metal finishing chemical products to ensure that their processes run efficiently and trouble-free while meeting quality and performance expectations.

To help us achieve this goal, our facility is equipped with complete process, analytical and performance testing laboratories for the testing of metal finishing chemical applications.

- The process laboratory is utilized for running panels and production parts for product selection, analysis and troubleshooting washer specific issues.
- The analytical laboratory is utilized to perform bath analysis and surface analysis for routine service and troubleshooting.
- The performance testing laboratory is utilized to evaluate paint and pretreatment performance using accelerated and physical testing methods.

All three groups work together to verify product quality, identify issues and formulate an action plan to resolve them, and to prevent future issues. These areas operate to provide our customers with highest-quality products based on the latest technologies, and provide continuous support, both in the laboratory and in the field.



Analytical Support to Identify and Resolve Your Metal Finishing Challenges

The fully-staffed analytics laboratory at Coral Chemical Company offers a variety of services for routine service and troubleshooting including:

- chemical testing on parts
- process bath analysis to ensure proper system maintenance
- water analysis
- analysis of waste water contamination levels
- finished product defect analysis

Analytical Services Capabilities

- FTIR Spectrophotometer
- FTIR Microscope
- ICP
- Gas Chromatography/Mass Spectrometer
- Ion Chromatography
- Scanning Electron Microscope
- UV Visible Spectrophotometer
- Ion Selective Electrodes for Fluoride
- Potentiometric Titrations

Performance Support Tailored to Your Unique Metal Finishing Environment

Coral Chemical Company offers a wide variety of physical and environmental performance testing to assist you in maintaining your metal finishing process quality. Our testing laboratory and staff are experts at simulating a customer's process environment so we can accurately predict the outcome.

Performance Testing Capabilities

- Salt Spray Testing (ASTM B 117)
- Humidity Resistance (ASTM D 2247)
- Filiform Corrosion (ASTM D 2803)
- Water Immersion (ASTM D 870)
- Cyclic Corrosion Testing (SAE J2334, Customer Specific Procedures)
- Detergent Resistance (ASTM D 2248, Customer Specific Procedures)
- Impact Resistance (ASTM D 2794)
- MEK Rub (ASTM D 5402)
- Cross-Hatch Adhesion (ASTM D 3359)
- Conical Mandrel Bend (ASTM D 522)
- Pencil Hardness (ASTM D 3363)
- Paint Film Thickness

