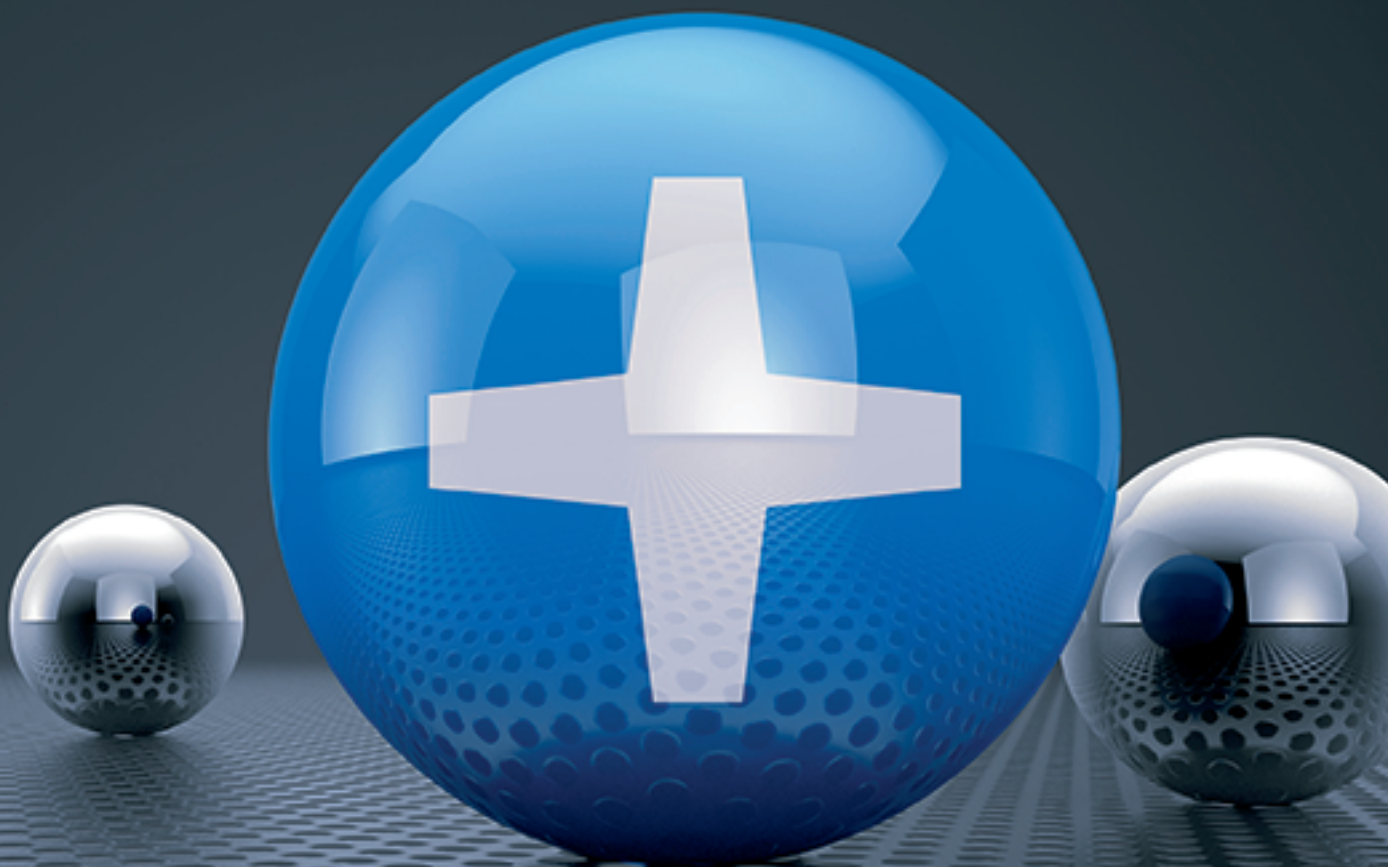


BASF
We create chemistry

Chemetall
expect more⁺

Chemetall's Integrated Portfolio of Innovative Products



Chemetall Overview

Cut it. Clean it. Coat it. Control it. Conserve it.® with us!

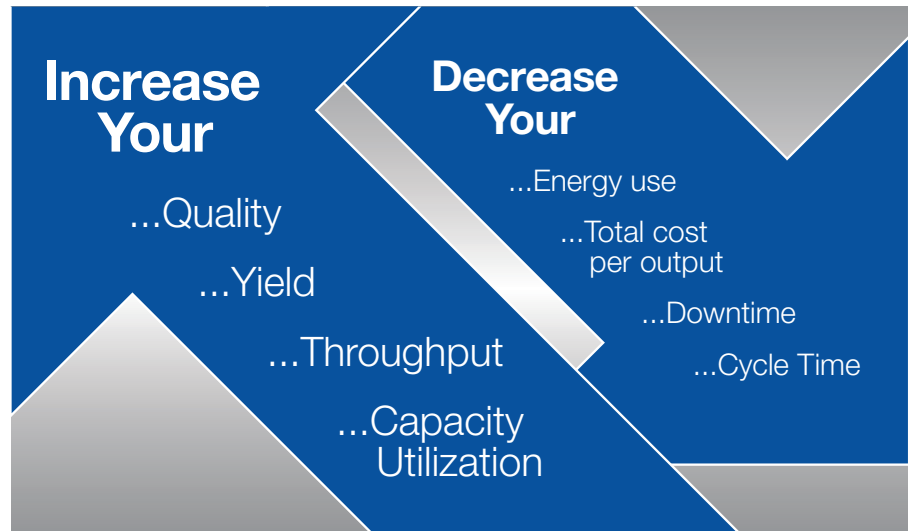
We are the Surface Treatment global business unit of the Coatings division of BASF, operating under the Chemetall brand, a leading supplier of applied surface treatments and services for metal, plastic, and glass substrates in a vast range of industries and end markets. Chemetall Surface Treatment products are used for a variety of applications. As an integrated part of the business, we offer a full range of services, including process control and on-site support at customer facilities with local representation worldwide. Beyond technical expertise, systems are designed to ensure that the final requirements of the treated products are met.

Benefit from our 6 Point Total Value Proposition

1. Dedicated, Global Specialists
Locally Available
2. Focused, Passionate, and Accountable
Expert Support
3. Integrated Portfolio of Innovative Products
4. High Quality Standards
5. Fast and Accurate Labs
6. Comprehensive Collaboration for
Efficient Process Performance

We are Dedicated to your Success, so you can expect more.

We define success by developing and optimizing sustainability in our products, practices, and processes. This commitment to social and environmental responsibility allows Chemetall to cultivate innovative technologies and services that lead to a brighter tomorrow.



Chemetall's Integrated Portfolio of Innovative Products

Chemetall is Dedicated to Your Success!

Cut it.

Metalworking fluids

- Tech Cool®
- Semi-synthetic
- Synthetic
- Hybrid

Cut it.

Metal forming

- Tech Draw
- Semi-synthetic
- Synthetic
- Dry Film
- Straight Oils

Clean it.

In-process cleaners

- Gardoclean®
- Aqueous
- Emulsion

Clean it.

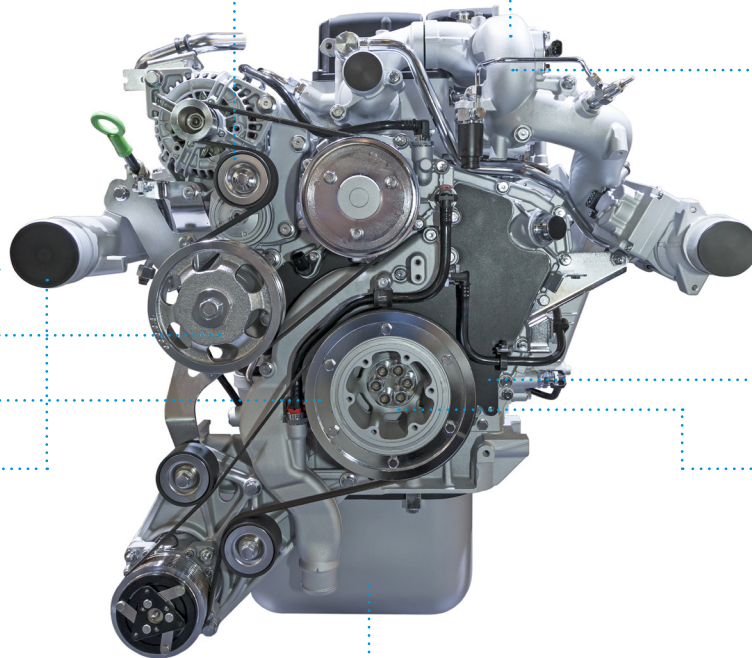
Remanufacture

- Gardostrip®
- Rust Removal
- Oil Grease Removal
- Paint Removal
- Low/No VOC

Coat it.

Advanced pretreatment

- Oxsilan®
- Gardobond®



Coat it.

Conversion coatings

- Gardobond®
- Gardolene®
- Cleaner/Coater
- Sealing

Coat it.

Rust preventives

- Gardorol®
- Water Displacing
- Synthetic
- Emulsion

Control it.

Automated monitoring technologies

- CODACS
- Coolant Tracker
- PLC Integrated

Control it.

Non-Destructive Testing

- Britemor®
- Checkmor®
- Supramor®
- Lumor®

Conserve it.

Facility treatment

- Gardofloc®
- Waste water
- Cooling towers
- Boilers
- Paint Detackification



Cool, Lubricate, and Protect.

Tech Cool®. The Clean Coolant.

Proving to be the Cleanest Running Coolants in the Metalworking Industry!

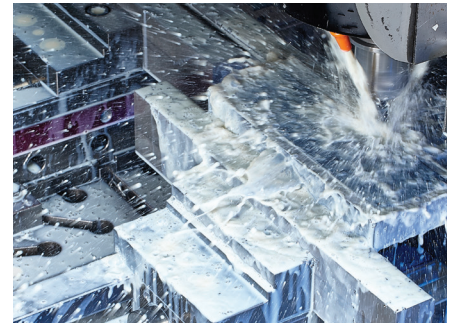
Improve the quality of your processes with the Tech Cool® line of metalworking fluids. Experts from our global team are locally available and ready to meet your needs. Their focus is to enhance the efficiency of your specific processes. We manufacture a full line of products to maximize productivity in every aspect of the metalworking industry. Our innovative award-winning line of Tech Cool metalworking fluids includes synthetic fluids, semi-synthetic fluids, and soluble oils.

Key properties and features

- ⊕ Tech Cool metalworking fluids are a stable, emulsion blend of mineral oil, corrosion inhibitors, and extreme pressure additives.
- ⊕ When mixed with water, they form a translucent solution that provides cooling, lubricity, and protection.
- ⊕ Tech Cool metalworking fluids offer a cleaner metalworking operation even in high speed/high pressure machines.
- ⊕ Drawing and stamping compounds and industrial lubricants are also available.
- ⊕ Partner with Chemetall for the tools to monitor, control, and automate your metalworking systems.

Customer benefits

- ⊕ Enhanced productivity, tool life, and sump life.
- ⊕ Increased worker safety, quality, and eco-efficiency.
- ⊕ Reduced water and energy use, waste and effluent, residue, and additive use.



Shield your Metal from Rust and Contaminants!

Gardoclean®. Environmentally Progressive.

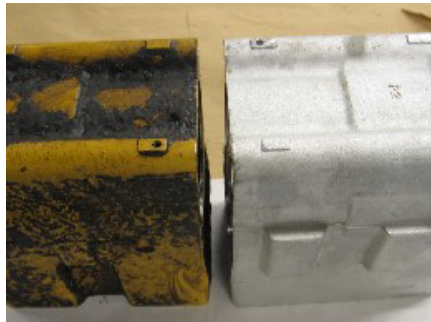
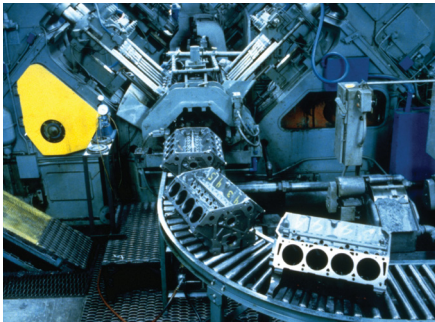
Chemetall offers a comprehensive portfolio of cleaning compounds and corrosion preventives that are fully compatible with many diverse substrates and processes. These products deliver reliable performance to properly prepare and condition valuable parts for final assembly, quality assurance, subsequent operations, transit, or long-term storage.

Key properties and features

- + Exceptional soil tolerance and soil management for consistent and dependable performance.
- + Rust Preventives for in process washing and long term substrate protection; synthetic, soluble oil and water displacing technologies.
- + Engine jacket coolant for production testing (Dynamometer testing).
- + Remanufacture chemistries for removal of carbonized soils, paint and corrosion.
- + Neutral products for removing surface corrosion safely.
- + Low/No VOC Products.
- + Full compliance with Cummins Environmental Goals.

Customer benefits

- + Cost savings through reduced
 - + Material usage
 - + Energy usage
 - + Reworks
 - + Defects from corrosion
 - + Washer maintenance
- + Benefit from improved
 - + Quality of parts
 - + Work environment



Gardobond® and Oxsilan® Advanced Pretreatments

Surface Treatment Technologies.

High-Performance Processes for Sustainable Success.

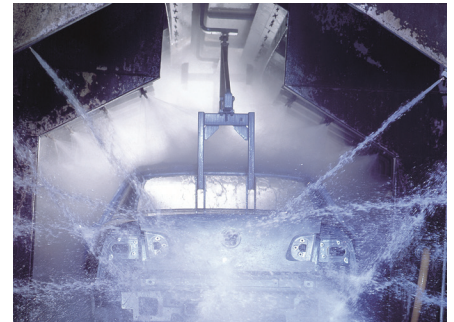
Chemetall, a global leader in applied surface treatment, offers high-performance solutions in metalworking, cleaning, and pretreatment for a wide range of industries. As process innovators fully dedicated to your success, we innovate, develop, manufacture, and supply best-in-class technologies, systems, and solutions for you. Trust our expertise and global availability to increase sustainability, efficiency, and economy.

Key properties and features

- + Advanced thin film and traditional phosphate pretreatments.
- + Acidic and neutral oxide/corrosion removal programs.
- + Ferrous and multi-metal cleaners.
- + Manganese phosphates.
- + Plastic and non-metal surface treatments.
- + Metal passivation and coatings.

Customer benefits

- + Increased adhesion and corrosion protection.
- + Low/no VOC programs.
- + Environmentally favorable.
- + Low heat and energy.
- + Reduced usage and waste.
- + Increased quality and consistency.
- + Comprehensive product lines and programs.
- + Globally recognized platforms
 - + Gardobond® and Oxsilan® (advanced pretreatments)
 - + Gardobond® and Gardolene® (conversion coatings)
 - + Gardorol® (corrosion protection)



Chemetall Process Equipment and Engineering

See Clearly with CODACS.

Visibility Increases Value.

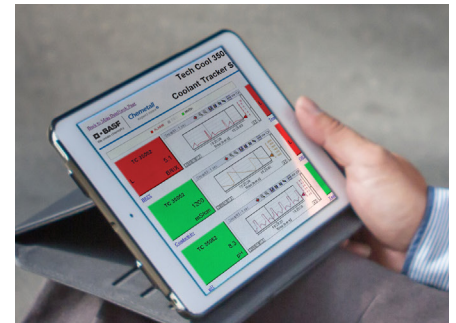
In manufacturing, process visibility is fundamental for success. You need to clearly see your key performance indicators. The Chemetall Process Equipment and Engineering Team offers equipment and systems to monitor control, dispense, and treat your chemical processes. CODACS (Chemetall's Original Data Acquisition and Control System), CODACS Coolant Tracker, and Data Hawk are high performance real time data acquisition, logging, and control systems. Clearly see processes such as metalworking fluids, pretreatment, in-process cleaning and corrosion prevention, waste water, boiler, and cooling control.

Key properties and features

- + Monitor up to 60 real-time control parameters.
- + Easily see data in a user-friendly interface.
- + Identify and address issues quickly.
- + Reduce waste.
- + Enhance process efficiency.
- + Collect raw data and see high-value information in proper context.
- + See what you need to see.
- + Control what you need to control.

Customer benefits

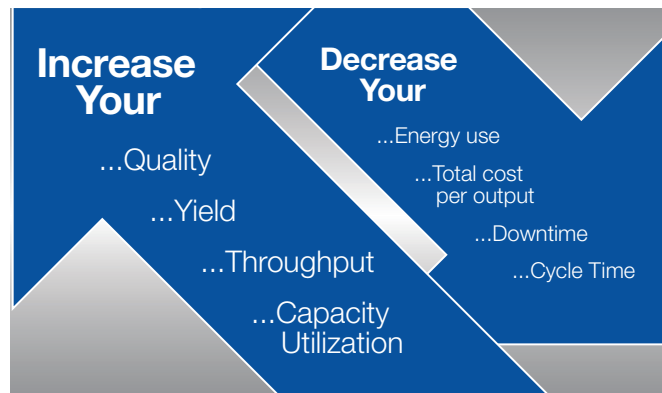
- + Maximize output.
- + Increase efficiency.
- + Improve productivity.
- + Reduce downtime.
- + Gain cost savings.
- + Monitor, maintain, and control your processes anytime from anywhere!



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Our global specialists are locally available. Our experts provide focused, passionate, and accountable support. You can expect the highest quality from our integrated portfolio of innovative products. Our labs are fast and accurate. We will collaborate with you to increase the efficiency of your process performance.



Chemetall is proud to serve you from the following locations

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