

High Carbon Wire Drawing



Chemetall offers a fully integrated, innovative, and optimized portfolio of products for cold forming. Our wire solutions arise from our comprehensive understanding of the challenges faced by wire producers.

We supply highly efficient and customized processes for dip and in-line wire manufacturing. In addition, as part of our dedication to our customers and to sustainability, we offer advanced and original green options to reduce costs and environmental footprint.

Increase your productivity

- + Extend die life.
- + Faster start-up.
- + Increase speed.
- + Decrease temperatures.
- + Lower sludge.
- + Reduce energy.

BASF
We create chemistry

Chemetall
expect more+

High Carbon Wire Drawing

Discover our high-performance products and processes for dip and strand line processing for high carbon wire. The portfolio includes efficient cleaning and phosphate removal products, pickling inhibitors, activators, neutralizing agents, and phosphate-free pretreatment. Many state-of-the-art technologies, with and without nickel, for all types of wire manufacturing — from low-carbon to high-carbon iron and steel wire — are available. Energy-saving low temperature processes, high-performance zinc/calcium processes, and sludge-free electrolytic applications offer efficient, cost-effective, and environmentally responsible manufacturing, and benefit the downstream value chain.



Learn about Gardo[®], our full line of comprehensive solutions to improve productivity and quality.

Activators

- ⊕ **Gardolene[®] V** — Highly effective activating rinse prior to the application of zinc-phosphate.

Conversion Coatings

- ⊕ **Gardobond[®] Z** — Includes nickel-free zinc phosphate conversion coatings designed to facilitate cold forming and high-performance drawing.

Polymer Lubricants

- ⊕ **Gardomer[®] L** — High performance lubricants to facilitate enhanced lubrication. No heavy metal or mineral oil.

Reactive Soaps

- ⊕ **Gardolube[®] L** — A reactive soap used over zinc phosphate coatings. A top product for extrusion.

Salt Carriers

- ⊕ **Gardolube[®] SC** — Lubricant carriers to facilitate the cold forming of bare and phosphated iron and steel wire, and stainless steel.



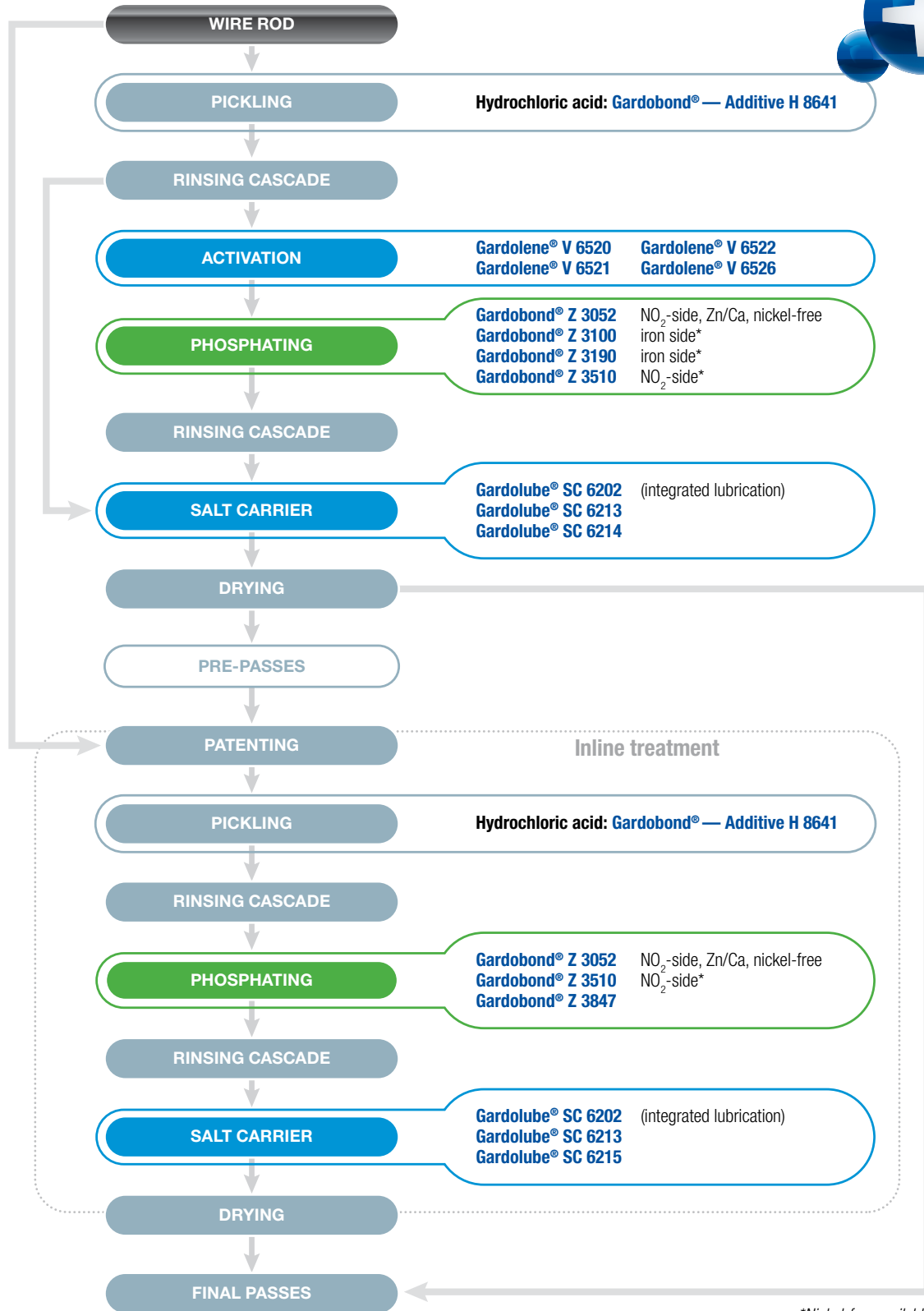
Gardo[®] Hybrid

Chemetall is proud to offer the first ever cold forming process for steel without phosphates, based on a conversion coating. This technology replaces the zinc-phosphate layer with a phosphate-free metal-organic layer. This innovative conversion layer provides the same excellent properties, but at an overall reduced carbon footprint.

Experience our commitment to Innovation, Sustainability, and the Environment.

Ask us for a demonstration today!

High carbon wire drawing processes and products



*Nickel-free available

Trust Chemetall's expertise, reliability, proactive strategies, and core competencies in cold forming to increase your process efficiency.



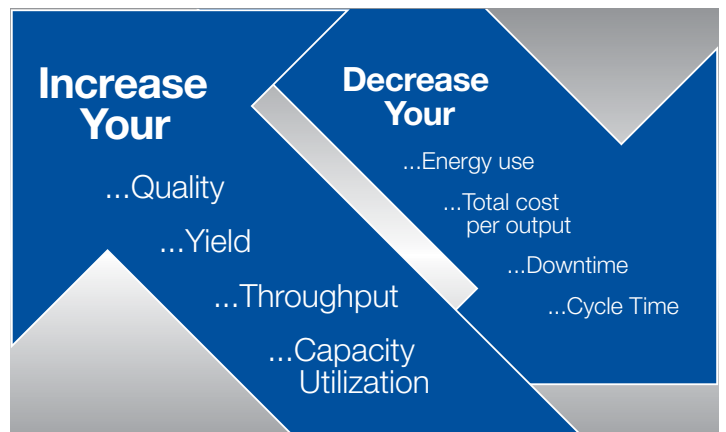
Our focus is you, our cold forming customer.



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.

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 North America from the following locations

North American Headquarters

675 Central Avenue
New Providence, NJ
07974
Tel: 908-464-6900
Toll-free: 800-526-4473
Fax: 908-464-7914

Chemetall Canada Limited

100 Milverton Drive,
5th Floor,
Mississauga, Ontario,
Canada
L5R 4H1
Tel: 1-905-791-1628
Toll-free: 1-877-311-1471

Chemetall Mexicana, S.A. de C.V.

Avenida El Tepeyac No. 1420-B
Parque Industrial O'Donnell-Aeropuerto
El Marqués, Querétaro
C.P. 76250, México
Querétaro Tel: +52 (442) 227 2000
Monterrey Tel: +52 (81) 8371 2517

Chemetall U.S.

1100 Technology Drive
Jackson, MI 49201
Tel: 517-787-4846
Toll-free: 877-941-3800
Fax: 517-787-5538

Chemetall U.S.

46716 Lakeview Blvd.
Fremont, CA 94538
Tel: 408-387-5340
Fax: 408-809-2883

www.ChemetallNA.com | surfacetreatment@basf.com

The product information contained in this brochure has been compiled to the best of our knowledge on the basis of thorough tests and research work and with regard to the current state of our practical experience in the industry. This product information is non-binding. Our statements relating to possible uses of the product do not constitute a guarantee that such uses are appropriate in a particular user's case or that such uses do not infringe the patents or proprietary rights of any third party. The user should undertake sufficient verification and testing to determine the suitability of the product for its particular purpose. We assume no risk or liability whatever in connection with any particular use, if not expressly confirmed by us in writing. Therefore, Chemetall grants no warranty and does not accept any liability in connection with this product information or its use. Except where noted otherwise, all registered trademarks are owned by Chemetall or its affiliated companies. The reproduction of any or all of the information contained in this brochure is expressly forbidden without Chemetall's prior written consent.