



**HIGH-PERFORMANCE**

**LUBRICANTS**

**FOR PARTICULAR APPLICATIONS**



## YOUR QUALIFIED PARTNER

The **Wilhelm Dietz GmbH & Co. KG** was founded over 75 years ago, and is concerned with the development and production of lubricant solutions for metalforming and corrosion protection as well as special lubricants for metalworking. Because of its global business activities, the medium-sized independent company serves leading enterprises in the steel-producing industry, the automotive industry, and in machine and industry plant engineering.

Even before safety for humans and environment in lubricant production came on everyone's lips, we focussed on this topic. The result: proven and widely recognized lubricants, which are characterized by the best compatibility for both personnel and equipment, long service life, ageing stability and are grouped under the trade name **WEDOLIT**.

We are expanding our product range for different performance requirements of metalworking and corrosion preventives continuously.

**WEDOLIT**-industry solutions meet even the highest demands.

Our product range includes:

- // Special lubricants for the automotive and supply industry
- // Solutions for long service life of machinery and equipment
- // Surface-active lubricants
- // Specialties for long-term corrosion preventives

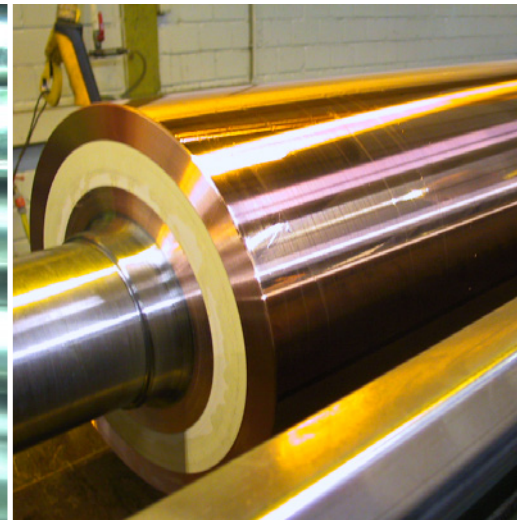
*The product range is supplemented  
by various processing products.*



A close-up photograph of a metallic surface, likely aluminum, showing a weld joint. The surface is highly reflective and shows signs of wear and discoloration. A red banner with white text is overlaid on the upper left portion of the image.

**RELIABLE**

**ALL-INCLUSIVE SERVICE**



## SMOOTH PROCESS FLOW

As a forming specialist and longtime partner for automotive manufacturers and suppliers, as well as for pipe and profile industry, we offer with the **WEDOLIT** product range modern high-performance lubricants for cold forming. These include special lubricants for the expansion of large pipes, drawing of tubes and profiles of non-iron metals and steel. Their use makes forming processes in metalworking reliable and efficient.

The application areas of **WEDOLIT** products range from sheet metalforming, to tube and wire drawing up to massive forming processes. The lubricants protect the parts from corrosion and also machinery and tools from expensive downtime. The multi-function products are formulated and monitored in compliance with legal requirements related to safety and environmental protection.

Last but not least we place great value on customer requirements in terms of process compatibility when new products are developed. **WEDOLIT** products ensure a smooth process flow and long service life with low consumption volumes. With our products, you can achieve high efficiency and flexibility of your processes and optimal results of your forming processes.

*In addition to the high performance lubricants for cold forming processes, our classic soap formulations are used successfully in the market.*





# SPECIAL FORMING PRODUCTS

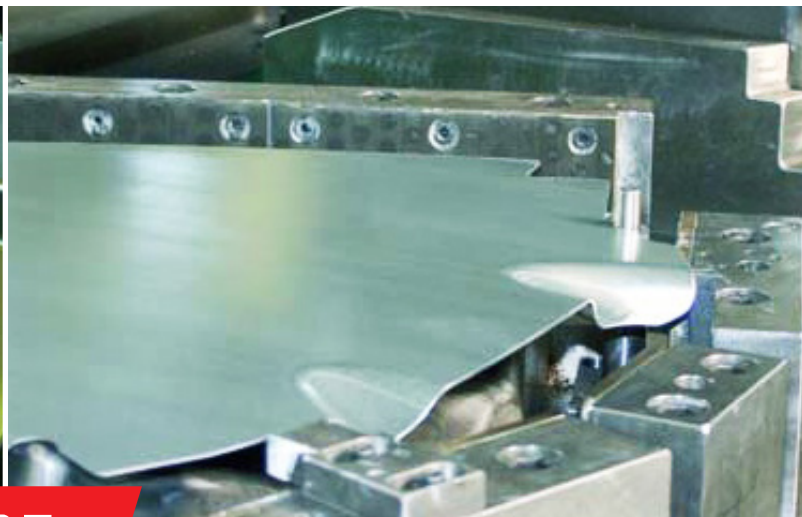


Photo: ThyssenKrupp Steel



**OPTIMUM CORROSION PROTECTION  
WITH FORMING CHARACTERISTICS**





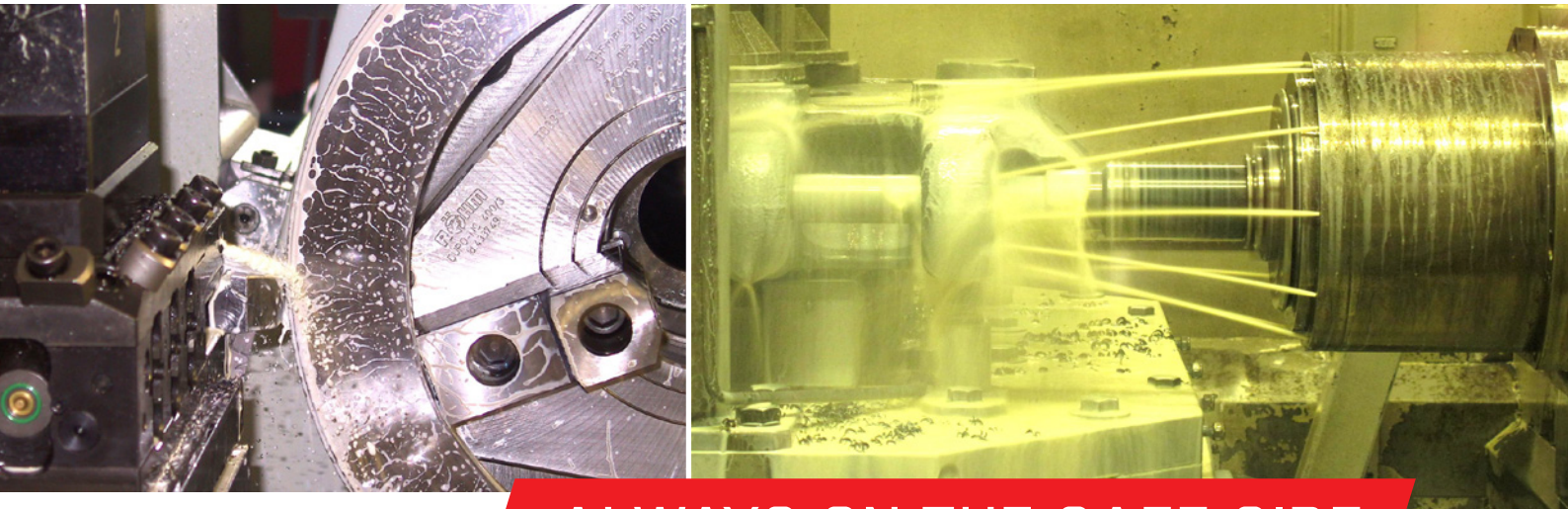
## MULTIFUNCTIONAL USE

**WEDOLIT** corrosion preventives ensure a safe and efficient process flow in metalworking. Our laboratory is well-known for the development of special formulations according to customer requirements, for example, fast-working dewatering fluids, and to test and check them in practical use. For export-oriented manufacturing companies - for example, in mechanical and plant engineering - are corrosion protection products available with higher coating weights and longer temporary protection.

Among the **WEDOLIT** corrosion protection products **prelubes** play a very important role. Due to their special technology **prelubes** show a reduced tendency to flow-off the product surface (thixotropy), compared with pure corrosion protection oils. The film remaining on the product surface ensures not only an optimum corrosion protection. At the same time it enables the forming processes and protects the tools against premature wear.

Due to excellent quality and multi-functionality **WEDOLIT prelubes** are, for example, the first choice for automotive manufacturers and suppliers, when it comes to stamping and forming parts and components. With a single product, several technical requirements can be covered, such as corrosion protection and formability.

→ The degreasing and cleaning of pressed parts can be carried out easily and residue-free after the forming process. Thus, downstream processes including painting (e.g. KTL) are trouble-free ensured.



## ALWAYS ON THE SAFE SIDE

Due to increasing processing speed and extreme flushing pressure, machine tools set highest standards for metalworking fluids. **WEDOLIT** products satisfy these requirements optimally. This includes low foaming, temporary corrosion protection for machine and workpiece, wear protection of tools and long-life of emulsions. But apart from technical qualities, the safety of machine operators and the environment stands in the foreground of all formulations.

Depending on your task, you can select a suitable metalworking fluid from the **WEDOLIT** product range. It includes water-miscible, amine and boric acid containing coolants, and boracid-free coolants based on alternative amines. Also, the product portfolio includes fully synthetic and non-water-miscible metalworking fluids (neat oils).

**WEDOLIT** cooling lubricants meet even the highest demands of manufacturing companies for mechanical processing. But it's not just about high performance. Because at the same time you want to be sure that your machines and tools are optimally protected against corrosion. **WEDOLIT** coolants meet this requirement. They offer in addition to their cooling and lubricating properties also optimum corrosion protection and are therefore for many manufacturing processes the best, most economical and environmentally friendly solution.

*When it comes to choose the right lubricant for your metalworking, we are the right partner for you. With our broad network of distributors, we are always closely in your area.*





# COOLING LUBRICANTS FOR VARIOUS PURPOSES





**CERTIFIED QUALITY**  
**SYSTEMATIC MONITORING**





## PERFECT SERVICE

When choosing the optimal solution for the specific application, you can count on the comprehensive know-how of our service lab. Our chemists have many years of experience in theory and practice of industrial lubricants. They are competent partners concerning legal provisions such as the European Chemicals Regulation REACH or the risk evaluation.

Dietz is well known for its competent, flexible and dedicated service team, that maintains direct contact with customers. It consists of chemists, engineers and application technicians with sound practical knowledge. They have gained experience in dealing with different formulations over the years and pass on their knowledge to you in form of training.

In some cases they recommend to collect samples of metalworking fluids to analyze the compatibility of our products with the materials to be processed. Furthermore, regular inspection and maintenance can significantly increase the service life of lubricants. This has not only economic advantages but also improves the labor protection indirectly.

All processes have been defined, so that their execution is auditably documented and their successful completion is verifiable. The obtained results also form the basis for a longterm improvement in quality of design and manufacturing of our **WEDOLIT** products.

*We have introduced quality management guidelines that we apply consistently. All processes from procurement of raw materials to delivery of finished products are fully documented. The certification according to the quality management standard DIN EN ISO 9001 shows, that we meet these high demands perfectly.*

*Photo above left / above right: SMS Meer*

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