

WISURA

Chlorine-free and incredibly powerful:
FUCHS WISURA LUBRICANTS
FOR PRECISION CUTTING



LUBRICANTS.
TECHNOLOGY.
PEOPLE.



Extremely precise, economical and environmentally friendly

Precision cutting is a highly accurate manufacturing procedure. The ideal result: clean, tear-and break-free cut surfaces and a flat workpiece. The friction conditions in the forming zone play a decisive role in determining efficiency and quality here. As such, one measure for raising performance in precision cutting is proper lubrication.



Above all, good precision cutting oils must have three qualities:

- They contribute toward optimal roughness depths on the cut surfaces.
- They ensure the best wear protection.
- They increase the tool life while ensuring the best possible process safety.

Premium FUCHS WISURA precision cutting oils offer exactly these key advantages and are also free from chlorine – even for sheet thicknesses of over 10 mm and difficult shapes.

The advantages of our precision cutting oils:

- Additive formulations precisely adapted to the metal surface
 - Less tool maintenance necessary
 - Greater occupational safety and environmental protection
 - Lower costs for disposal of chippings and scrap steel
 - Certified quality according to Feintool specifications
 - Compatible with other lubricants
 - Easy to remove with water-based alkaline cleaners
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Profit from our premium formulations

Increasing material thicknesses, the use of high-alloyed and high-strength steel, increasing component complexity and the combination of forming and precision cutting increase the challenges faced in the manufacturing process – and thereby also by the lubricants. This is why the very best quality and forward-looking innovation are needed here.

Certified for precision cutting

In cooperation with FUCHS WISURA GmbH and other organizations, Feintool Technologie AG has developed a system that enables the performance of lubricants to be measured. The oils that are successfully tested using this measure possess all the properties specified by Feintool. When used in combination with proper operation of fine blanking presses and tools, the certified FUCHS WISURA precision cutting oils guarantee an efficient process and the best results.

Protect the environment while saving costs

Even if chlorinated oils long seemed more economical, the chlorine-free FUCHS WISURA precision cutting oils can significantly increase tool service lives provided that the process has been carefully optimized. Adhesive wear is reduced, and the tool preserved. Furthermore, the corrosion that occurs when chlorinated oils are used is avoided thanks to the complete absence of chlorine.

For you, this means lower tool and disposal costs while employees' health is also protected.



„For the work on our precision cutting oils we chose a partner that plays a leading role in the development of precision cutting systems and components. We always focus on a lively exchange with specialists from the field and are thereby aware of what industry currently requires. Thanks to our expertise we can then cater to this demand in a highly targeted manner – for example with chlorine-free precision cutting oils that are just as good as competing products containing chloroparaffin. This is just one of the reasons why our products are called ‚premium lubricants‘.“

Prof. Dr. Joachim Schulz, Head of Research and Development

FUCHS WISURA – unerringly effective

At FUCHS WISURA GmbH we develop, produce and sell special lubricants for metal forming and offer VCI products for corrosion protection. We are proud to offer fully individual solutions for our customers alongside our range of proven and high-quality standard products. The size of our company makes us flexible in this respect – especially as we combine our research and development, production and sales under one roof in our home city of Bremen.

Above all, customers say three things about us:

1. The **products** are absolutely convincing.
2. The **service** is outstanding.
3. The **consulting** is knowledgeable and solution-oriented.

To keep it this way, we dedicate ourselves fully every day with all our skills and know-how – whether the Head of Development, one of our sales representatives or the application engineer. This approach has already borne fruit, with customers ranging from renowned automobile manufacturers to small metal working firms counting on our product expertise and the quality of our consulting and service.

Do you want to find out more?
Then we would be delighted to hear
from you via telephone or e-mail.
We would be glad to advise you!

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