

Safer process.
Safer profit.



rhenus Lubrilineering®

First know what you can save later



15 to Savings in the entire
production process through
rhenus lubrineering **30%**



The use of coolants is no minor matter, but a success factor. In the manufacturing costs, fluids account for up to 18% – due to recycling, disposal, maintenance and cleaning, among other things.

Take the opportunity now to permanently reduce your costs throughout the entire fluid process, and thus the unit price costs. Improve the quality of your products and the specially important process safety by optimally tuning the entire KSS management to your production.

It doesn't get any better – free lubricant!

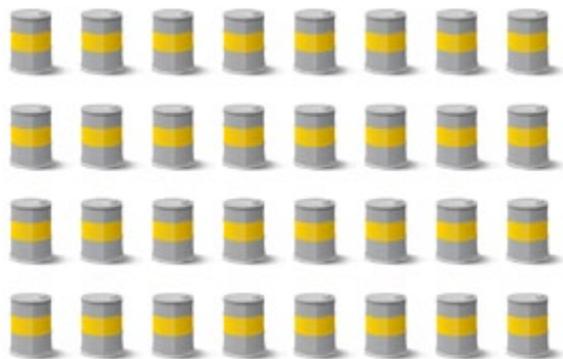
rhenus lubrineering is a true value-added concept. By optimising your fluid process, you will save more than the cost for lubricants. The result: an optimally coordinated and safe process for virtually free use of coolants.

rhenus lubrineering – the unique combination of excellent products (lubricants) and highly specialised process knowledge (Engineering).

5–20%
Coolants-Preparation
Total share of costs



80-95%
Coolants-Refill
Total share of costs



Coolant – Use analysis

Change without

risk

rhenus lubrineering guarantees long-term and lasting cost savings. Equally certain is the change to rhenus lubricants which you can make without risk due to our process know-how – even at high machine utilisation!

Maximum security in ongoing production

rhenus lubrineering stands for the gradual improvement of the individual process details and all coolants used. All influential factors of the coolants are hereby considered in the entire machining process. The security of your running production is top priority. Our experienced team takes full responsibility for process optimisation. All steps are planned and monitored in both theory and practice so that your process continues to run safely and thus improves measurably.

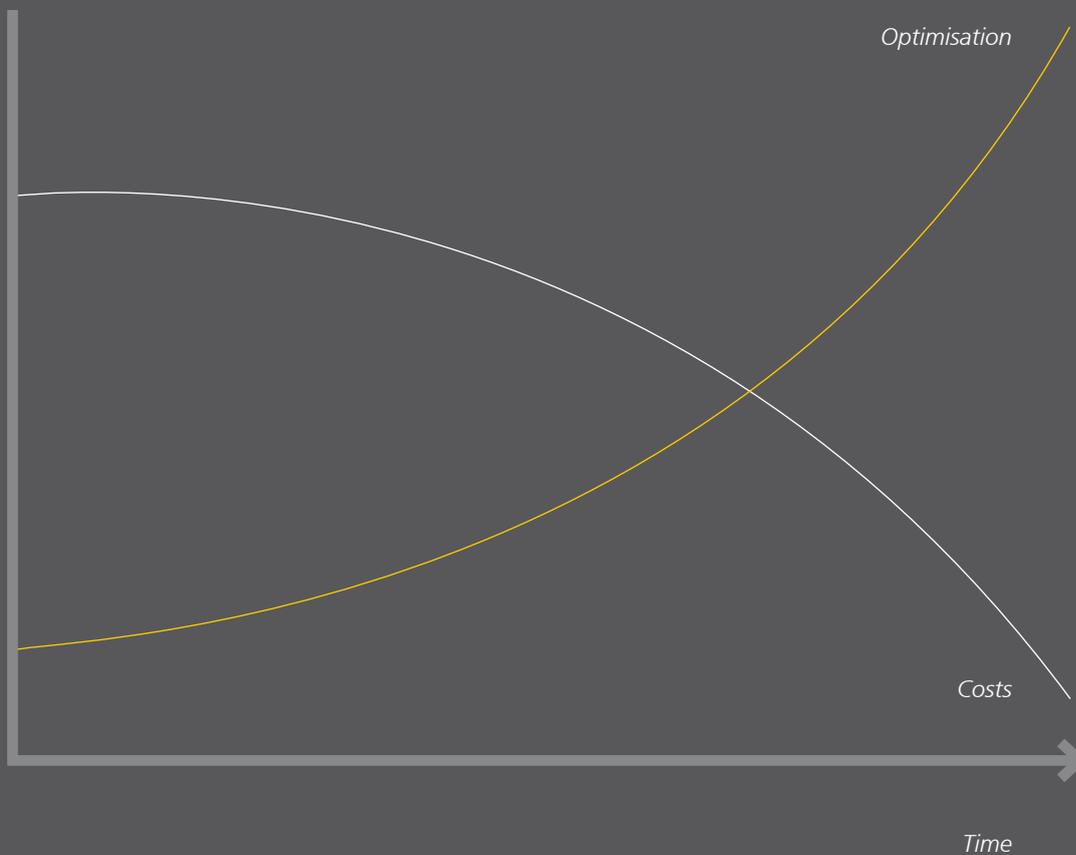


The rhenus lubrineering promise

We contractually assure you that your investment will pay off. Through long-term partnerships, we create a win-win situation which provides a significant benefit for both sides. Count on us.

Efficiency. Quality. Safety.

The performance parameters in a fluid process



Be it tools, machines, filters, work pieces, health or the environment – through the use of fluids, there are many points of contact with different factors.



rhenus lubrining has been successfully tried and tested in many practical cases. All influential elements in the use of fluids in the metalworking industry are seen holistically. The focus is the management and optimisation of production processes, metalworking and the use of coolants.

Your step-by-step plan towards

effective

cost reduction



rhenus lubrineering is the intelligent modular system of management and services related to the use of coolants.

Process level 1: Determination and analyses of the status quo

To identify the influential factors and their effect on the total costs in the fluid process, our experts first analyse the actual situation. Purchasing and product selection, tools, filter equipment and personnel resources are included in the analysis just as much as all other relevant process components, and tested for optimisation potential.

On this basis, the actual fluid consumption and costs during the production process are broken down easily and comprehensibly. And exactly at this point, you already know the real significance of your coolants' product price and its actual weight in the context of the overall process costs.

Process level 2: Development of your individual fluid concept

On the basis of this analysis, the rhenus lubrineering Team prepares an individual concept and keeps the expected cost reduction potential as a target definition in a requirements specification. This package is the basis for a binding offer. Compliance with the target definition is monitored by continuous reporting. * Numerous references demonstrate: With minor changes in the process, on the bottom line, you save more than you would from a perceived price advantage in a single product.

Process level 3: Process optimisation

In the following optimisation process, we continuously improve all the identified factors and make the production process safer and more profitable – with measurable success.

**We would like to invite you! Are you interested in a direct dialogue with companies which successfully use rhenus lubrineering? Write to us at: vertrieb@rhenusweb.de*

Fluid management made by Rhenus Lub

continuously efficient

Increasingly sophisticated machine tools with higher and higher feed and speed rates require excellent cooling and flushing, as well as lubricating properties of coolants.

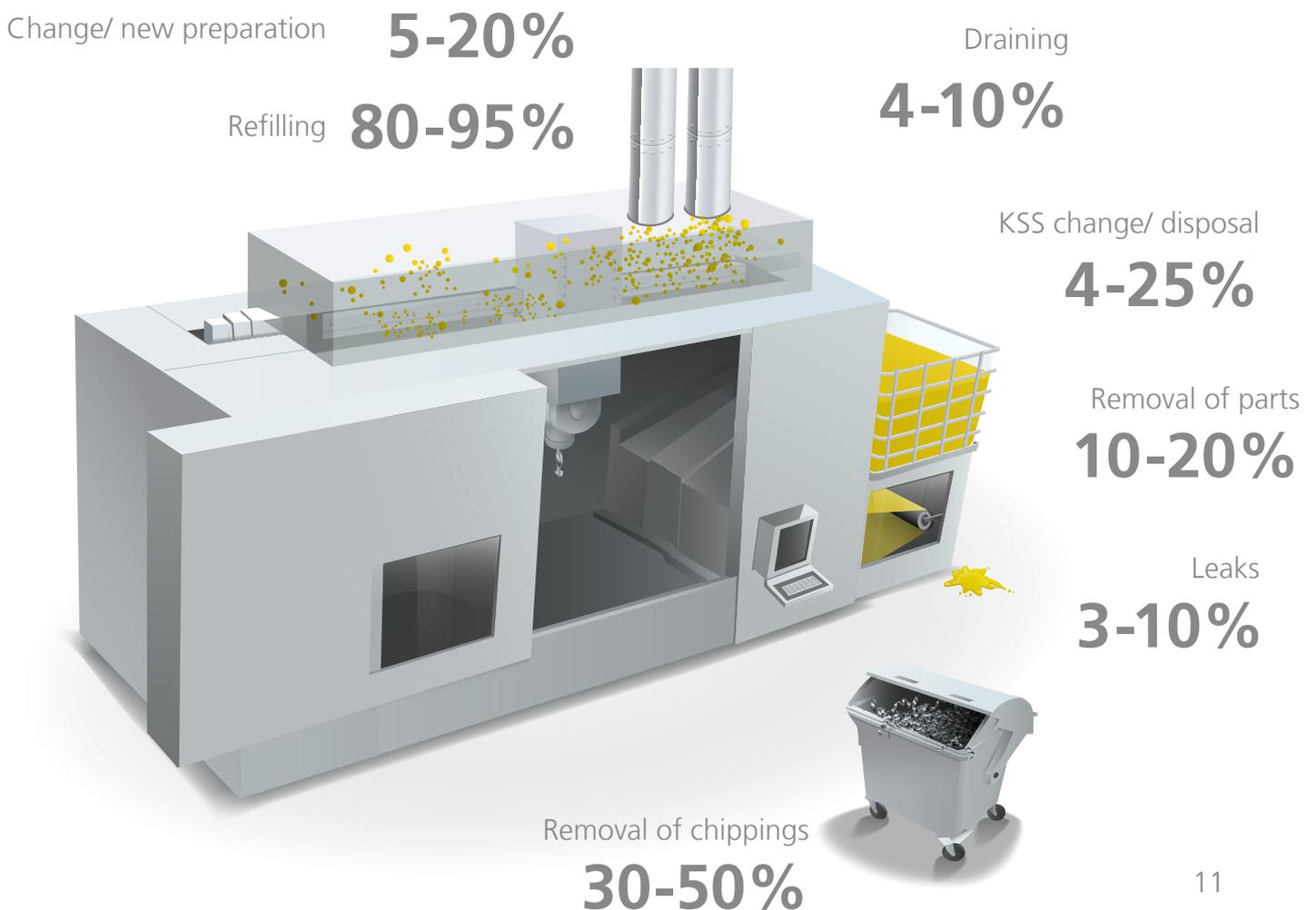
Leave your fluid management to our experts – without committing your own staff. You can fully concentrate on your production process and thereby benefit from optimal care and maintenance of your machinery and coolants. On request, we will also of course provide training and qualification programs for your staff.

Continuous improvement process

By careful selection of technology and maintenance, laboratory and quality control, optimisation of filling and refilling, as well as the cleaning of production equipment, we ensure:

- extended service life of the machining fluids used
- minimised wear of tools and machines
- highest surface quality of the workpiece

Proper waste disposal management, accurate planning of human resources and training of employees also increase the efficiency of the overall process and ensure that existing EC Directives in relation to health, safety and environmental protection are met.





Export

cost savings and safety

worldwide!

For international companies with multiple production sites, but similar processes, standardisation of procedures is highly relevant. After all, those who transfer proven processes to other locations wins in terms of quality and efficiency.

rhenus lubrincing ensures transparency of all process parameters and their mutual effect. The result: A high standard of quality and efficient production at all locations of a company.

Waste and production downtime are the biggest cost drivers. Therefore, make a commitment to high quality products from Rhenus Lub and our on-site application consultation.

Short-term **optimisation,**
Long-term **savings**



Dr. Max Reiners, Owner Rhenus Lub

rhenus lubrining saves an average of 18.3% of the process costs affected by fluids.

Short term and long term

Substantial savings are already available in the short term. Depending on the existing facilities or machining centres, you can already feel costs falling after two to four weeks from switching to rhenus lubrining, be it through the use of coolants, with longer service times or steps which are to be rapidly implemented in the fluid process.

No one-off matter: The cost reduction with rhenus lubrining continues steadily. Because over the years, machining processes become increasingly more economical and safe.

See for yourself.

Your advantages at a glance

- Increase in productivity
- Extension of fluid service life
- Minimised wear of tools and machines
- Increase in the surface quality of the workpiece
- Optimised disposal management
- Accurate planning of human resources
- Increase in efficiency through staff training
- Compliance with all EC Directives in relation to health, safety and environmental protection

Rhenus Lub GmbH & Co KG
Erkelenzer Straße 36
41179 Mönchengladbach, Germany

Phone +49 2161 5869-0
Fax +49 2161 5869-93

vertrieb@rhenusweb.de
www.rhenuslub.com

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