

Safer process.  
Safer profit.



# rhenus lubricants

Rhenus Lub provides solutions for the Aerospace Industry

## Rhenus Lub aerospace approved metal working fluids for first-rate safety

Companies that have the approval of renowned businesses in the aerospace industry need to make a precision landing with respect to safety, performance and cost-efficiency. This means that special lubricants from Rhenus Lub are used in production of the AIRBUS A380 or complete Rolls Royce jet engines. The aim: To increase the added values our customers are seeking in production, such as in processing the body frame, fuselage and wings as well as engine parts.

We are continually working on new products and solutions. Our amine- and boric acid-free coolants, for example, enjoy an extremely high performance level, but are still kind on the skin and environmentally-friendly. They can also be safely used on difficult to machine, high strength materials such as titanium, nickel-based alloys and Inconel.

rhenus lubrining ensures extra process safety with a unique combination of excellent products (lubricants) and specialist process knowledge (engineering). Our customers receive an exact breakdown of all fluid costs, can sustainably keep them under control with these figures and can reduce costs.

Advantages at a glance:

- **health and machine protection**
- **perfect suitability for innovative materials such as titanium, nickel-based alloys and Inconel**
- **high machining performance**
- **more efficiency and process safety with rhenus lubrining**

product	description	remarks
rhenus FU 60	Best metal working fluids for heavy duty machining of aluminium alloys, high tensile steels and titanium.	<ul style="list-style-type: none"> <li>• ester-based</li> </ul>
rhenus FU 50 TD	Heavy duty machining operation of alloyed steel and non-ferrous metals, excellent for machining of aluminium.	<ul style="list-style-type: none"> <li>• long-term stability</li> </ul>
rhenus FU 51 W	Heavy duty machining operation of steel and non-ferrous metals, excellent for machining of aluminium.	<ul style="list-style-type: none"> <li>• softwater</li> </ul>
rhenus TU 44	EP-coolant for demanding machining on steel and cast iron, as well as for aluminium alloys and non-ferrous metals.	<ul style="list-style-type: none"> <li>• formaldehyde-free.</li> </ul>
rhenus TS 44	Grinding and any machining operations where high cooling and flushing effect is required.	<ul style="list-style-type: none"> <li>• formaldehyde-free.</li> </ul>
rhenus R-FLEX	Two-component-MWF. For any application like grinding up to difficult cutting operations of steel, aluminium alloys, cast iron and non ferrous materials. Extraordinary low foam tendency.	<ul style="list-style-type: none"> <li>• very good foam decay</li> <li>• multifunctional</li> </ul>
rhenus TY 101 S	For all oil-free grinding operations.	<ul style="list-style-type: none"> <li>• high performance</li> </ul>
rhenus EDD 10	Low emission deep hole drilling oil formulated from highly refined aromatic-free base oil of superior quality.	<ul style="list-style-type: none"> <li>• long tool life</li> </ul>

Approvals available from Airbus, Rolls Royce (Category 1+3), MTU, SNECMA, EADS, Messier Dowty, Embraer

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