



Lubricants
for metal-cutting



Optimal results with all
processes and materials





Increased performance, fewer problems: Modern fluids for modern cutting processes

To take advantage of the increasing performance of modern cutting processes and machines, suitable coolants must be used: Ever-increasing cutting rates require optimal cooling and rinsing performance. Foaming must be prevented with inner cooling at rising pressures up to 100 bar. A long service life must be ensured for expensive tool technologies.

Using its extensive know-how, Oest has been developing and producing metal working fluids for decades. An extensive and modern range of products is based on ongoing development, taking cognisance of the latest developments in the technical and regulatory environments and in occupational health.

Water miscible and non-water miscible fluids are available for the most diverse requirements with respect to machines, tools, processes and materials, including extreme application conditions.

Our top priority is customer satisfaction. We achieve this through optimal products, adapted to the specific requirements of the processes and comprehensive support during the operation.



OEST COLOMETA – OEST MEBA

High performance coolants for metal-cutting

The comprehensive range of products covers all the applications in the field of metal-cutting: Universal

products and innovative multi-purpose fluids with many application possibilities. It is possible to reduce the number of products in many cases.

Special products for extreme requirements and challenges which cannot be solved using conventional products.

Non-water miscible cutting, grinding and honing oils

Base oils with low evaporation and minimised oil mist

- **Variable viscosities**
from V_{40} approx. 2 ... 60 mm²/s
- **Copper compatible cutting oils**
for mixed materials, from simple brass working to more severe stainless steel machining
- **Multi-purpose oils**
for cutting and machine lubrication
- **High performance cutting oils**
- for difficult to cut materials such as stainless steel, Ti and Ni alloys etc.
- for most severe operations such as broaching and deep-hole drilling etc.
- **Grinding oils**
for a variety of applications, such as:
- tool grinding (HM, HSS)
- gear grinding
- fine grinding, finishing
- **Honing oils/superfinishing oils**



Water miscible coolants

All products comply with TRGS 611

- **Variable oil content**
0% (fully synthetic) – approx. 80%
- **Different concepts**
- amine-free / boron-free
- amine-content / boron-free
- amine-content / boron-content
- **2-component coolant**
- **Special products for special materials**
- hard metals
- sensitive Al alloys
- **Special products for extreme conditions**
- soft water < 3°dH
- hard water > 80°dH
- highest pressure > 80 bar
- **Ester emulsions**
with ester in place of mineral oil
- **Grinding emulsions**
with low oil content
- **Universal products**
for cutting and grinding of mixed materials



Spray mist lubricants

Free from mineral oil

- **Based on:**
- native and synthetic esters
- fatty alcohols
- synthetic hydrocarbons
- **Wide application spectrum**
for simple to difficult cutting and simple forming processes
- **Universal products**
Copper compatible for mixed materials
- **Special products**
for subsequent heat treatment or welding
- **Special products**
water miscible for additional cooling or rinsing with water
- **Thread cutting oil for drinking water pipes**
with DVGW [German Association for Gas and Water] approval





**Top quality alllover:
The Oest programme in its
entirety**

In close cooperation with our partners we develop and produce lubricants outstanding in performance, precision and economical use.

**Lubricants
for metal-cutting**

Optimal results with all processes and materials

**Lubricants for chipless
metal forming**

Innovative product lines for economical use

**Lubricants for industry
and end user**

Complete product supply under one roof

Lubricants for motor vehicles

Maximum performance and long oil change intervals

**Oest Fluid System
Overall solutions in the
manufacturing process**

Cost saving through efficient services

**Georg Oest Mineralölwerk
GmbH & Co. KG**

Georg-Oest-Straße 4
D-72250 Freudenstadt
Telefon + 49 (0) 74 41/539 - 0
Telefax + 49 (0) 74 41/539 - 149
info@oestgroup.com
www.oestgroup.com

OEST GROUP GERMANY

