



Oest Colometa
SHD range

Synthetic HD-coolant
for highest efficiency and
process safety

Reduced process
costs and long
coolant life



Technical Advantages

Perfect material compatibility

Suitable for all kind of materials: steels, stainless steel, nickel and titanium alloys, yellow metals, aluminium, plastics and composites.

Perfect foam behaviour

No foam, even at zero water hardness and highest coolant pressure.

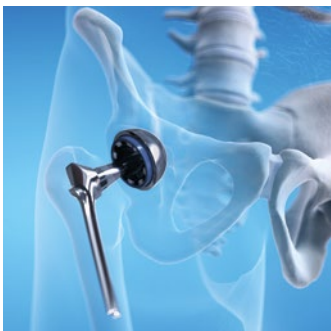
Fast and complete tramp oil rejection

Easy to maintain: a special splitter-additive ensures fast and complete separation of tramp oil and contaminations in order to be easily taken out by a skimmer.

*Machining of
stainless steel*



*Titanium-machining for
medical implants*



APPLICATIONS

Process Efficiency

High lubricity

Enables to cover different operations with only one coolant: from easy to most severe machining and grinding as well.

Contributes to improved productivity by enhanced tool life and most effective cutting parameters (high speed / high feed).

Lowest consumption

Perfect wetting behaviour reduces significantly coolant loss by drag out. Together with minimised aerosol formation this results in extraordinary low consumption. Customers found up to 88% saving compared to conventional coolants.

Long life

The unique formulations make SHD unattractive for microbes which results in a long coolant life without bad smell due to growth of bacteria.

*Machining of
EDM-electrodes*



*Milling of sensitive
aluminium*



Health, Safety & Environment

Future-proof

Optimised formulation avoiding hazardous components with foreseeable restrictions ensure process continuity and safety.



High worker's acceptance

- Very mild $\text{pH} < 8$
- No smell
- No aerosol and mist formation due to
- Special anti-mist-additive
- Evidenced low potential for skin irritations

Sustainable

- No fossil based components
- Minimised waste due to long life

Grinding of Ni turbine-blades



Machining of precious metals





Die Colometa SHD range

- | | |
|-------------------|---|
| Colometa ecoS 604 | ‘future proof’ for global use |
| Colometa SHD-AN2 | especially for the aerospace sector with a focus on Boeing and Airbus |
| Colometa SHD-A | for applications outside EU |

Benefits for the user

Colometa SHD-A provides a great opportunity to significantly reduce process costs. In comparison to previously used products SHD-A have evidenced savings up to

- ➡ **88% for consumption**
- ➡ **42% for tool costs**
- ➡ **27% total cost for tools and coolant**

...wherein not have been considered savings due to reduced costs for waste emulsion disposal, work costs for DCR procedure and machine down time. A unique combination of technical advantages result in a most positive impact on process efficiency and safety. This is the base for delighted customers in all kind of industries and applications, such as aerospace, automotive, medical engineering etc.

Oest product range around metalworking processes

Lubricants for machining operations

■ Water miscible cooling lubricants

Colometa ecoS	synthetics
Colometa ecoT	semi synthetics
Colometa ecoM	high-performance emulsions

■ Non-water miscible cooling lubricants

Meba	cutting oils for all materials
Meba S	synthetic high performance oils
Meba G / H	grinding and honing oils
Meba R	with CO ₂ saving potential
Meba SP	MQL spray mist lubricants
FE Fluid	dielectrics for spark erosion

Lubricants for forming operations

Platinol SF	vanishing oils for punching and bending
Platinol B	chlorine and VOC-free forming oils
Platinol B 800	forming oils for automotive manufacturing
Robinol	lubricants for tube processing
Variol CU / ST	lubricants for massive forming
Variol OFP	cold forging oils

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