



**Oest Colometa  
SHD-A**

**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.

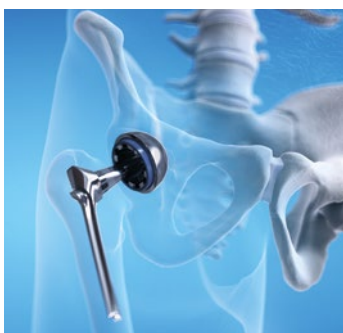
### Fast and complete tramp oil rejection

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 formulation makes SHD-A 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 ph < 8
- No smell
- No aerosol and mist formation due to
- Special anti-mist-additive
- Evidenced low potential for skin irritations

## Sustainable

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

*Grinding of Ni turbine-blades*



*Machining of precious metals*





## 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 S	full synthetics
Colometa F	FAD-free emulsions
Colometa P	bactericide-free emulsions
Colometa SHD-A	synthetic HD-coolant

### ■ 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 <sub>2</sub> 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 OFF	cold forging oils

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