



Product range







Metalworking

Georg Oest Mineralölwerk GmbH & Co. KG

Oest has been developing and producing lubricants since 1915. Metalworking media have been part of our range from the outset.

Today, the development and production of metalworking media for machining and forming operations are an essential core competence of Oest. In addition to the technical capacity which is perfectly adapted to each application, development places a special focus on the use of ecologically and physiologically harmless ingredients. Continuous further development and adaptation to changes in the general legal requirements, raw materials availability and technical progress always ensure modern products in line with the state of the art. Our work in associations in national and international committees and our collaboration in research projects at different institutes allow us to be involved in the solutions for future requirements.

Our know-how and customer focus ensure efficient and trouble-free processes — starting with product selection that takes into account all process requirements, close support for products in use, all the way to managing all technical questions regarding the processes. Competent global support through technically experienced local partners is the basis for the successful use of Oest metalworking media all over the world.

Our strengths

- Know-how and product quality
- Flexibility and customised problem solving
- System supplier
- Support from analysis service to total fluid management

Our objective

Maximum customer satisfaction through reliable, efficient and sustainable processes.



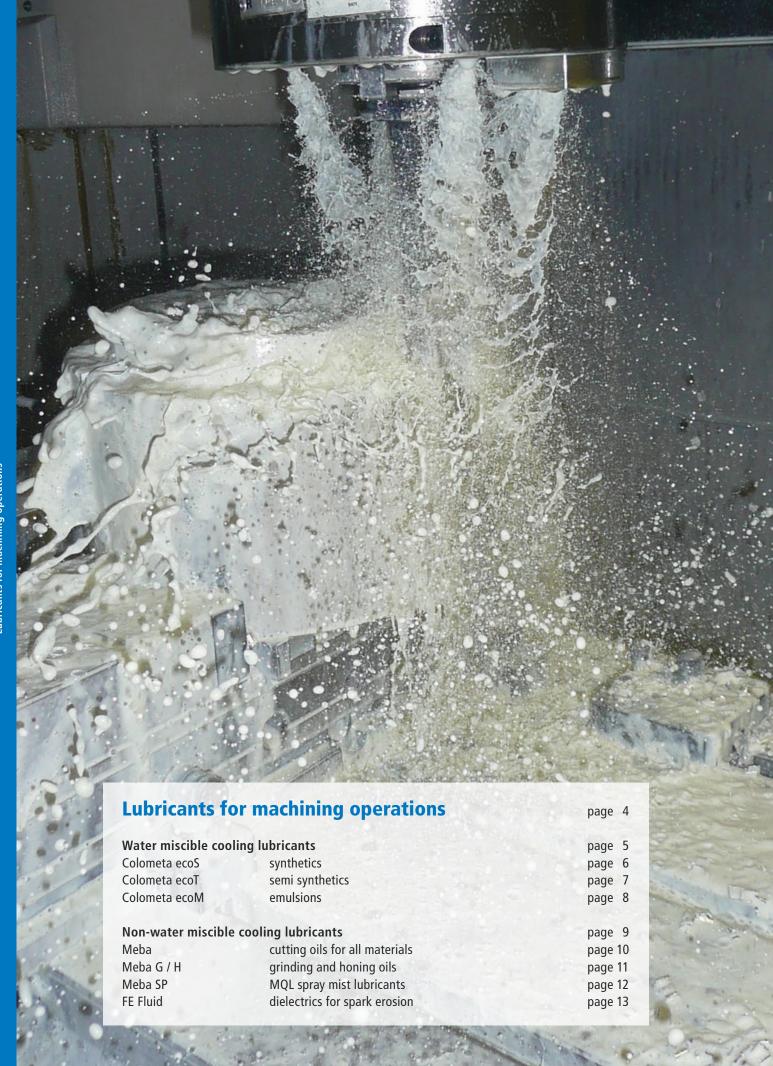


Products for metalworking processes

Oest products cover (nearly) all metalworking technologies: water miscible and non-water miscible cooling lubricants for machining with defined and non-defined cutting edges, spray mist lubricants for minimum quantity applications, forming lubricants with a variety of different formulations for sheet metal, tube and massive forming.

As a system supplier, Oest furthermore meets the demand for (nearly) all processing media for metalworking processes: starting with all lubricants for machine tools and forming presses through cleaning media for component cleaning to corrosion protection solutions. Our strength lies in the overall consideration of the process requirements and in the use of coordinated product concepts. This allows us to minimise interface problems and achieve best possible process efficiency.

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Water miscible cooling lubricants: Colometa

Water miscible cooling lubricants have to meet a wide range of technical requirements to ensure best possible machining results and smooth operation:

- Cutting performance for long tool life and best possible component surfaces
- Corrosion protection for machine parts and components
- Compatibility with sensitive materials for components without staining
- Stability and flushing action for clean machines and components
- Low foaming even with high cooling lubricant pressure
- and many more

In addition to the technical performance, the following are essential characteristics of Oest cooling lubricants:

- Minimising health risks for workers
- High level of acceptance through the workers due to pleasant environment and mild odour
- Preventing excessive microbial growth for long coolant life

Concentrates are therefore complex mixtures of a variety of different individual components. The development at Oest has clear objectives:

- Optimum compliance with technical requirements
- Best possible consideration of health and safety aspects and environmental concerns
- Use of future proof raw materials



Unlike any other lubricant type, water miscible cooling lubricants are subject to changes during use. Coolant life time significantly depends on the conditions during use. Developments from the research laboratory are tested on internal and external test rigs with the greatest possible practical relevance and then tested in extensive field trials. This verifies all possible aspects of the performance. The result is a performance profile which allows best possible product selection taking into account the specific requirements. This allows us to contribute to minimising the overall process costs.

Safe Processes

Beside working results and costs Safety & Stability of the processes play a significant role for metal working companies. Ongoing legal restrictions in regards of classification and use of MWF and increasing issues with availability of raw materials result in shrinking life cycle of coolant concepts. As a consequence users are frequently facing the need to adapt their processes with implementation of updated coolants. OEST breakes this trend with the development of the new coolant generation "Colometa eco", thoroughly substituting components with existing or in the foreseeable future expected restrictions. This ensure long-term stable and safe processes for the users.



Future proof because free from FAD, MIT, Boric acid and other components which are threated by restrictions.

Colometa ecoS: synthetics



Synthetics are oil free cooling lubricants. They consist exclusively of water soluble components which provides three essential distinguishing features compared to emulsions:

- Clear transparent: allows free view of the cutting point
- Optimum tramp oil separation due to the absence of emulsifiers
- Leaves dry surfaces

Conventional synthetics with limited lubricity are used for surface grinding operations. Additionally Oest offers most modern HD-synthetics ("heavy duty") with cover severe grinding and as well cutting and forming operations.

Colometa synthetics		SHORT DESCRIPTION
future proof	Colometa ecoS 427	New development replaces Colometa STA-M Circular and flat grinding of ferrous metals (cast iron, steel, stainless steel).
future proof	Colometa SBF-PN	Circular and flat grinding, universal (steel, non-ferrous metals, aluminium).
future proof	Colometa SSK-H 7	Grinding carbides: tools, wear parts, etc.
future proof	Colometa SKNF	Disc cutting and wire sawing of special metals (magnets, etc.).
future proof	Colometa ecoS 604	New development replaces Colometa SHD-A Grinding and machining with high performance requirements, universally suitable for all materials.

Colometa ecoT: semi synthetics

Coolant concentrates with low oil content: about 10 - 40 %. Mixed with water they create fine emulsions with semi transparent to opaque appearance for use in medium severe, partly severe cutting operations.

Main features are:

- Suitable for mixed operations: grinding and cutting
- Low drag out and consumption
- Clean machine tools and coolant systems



Colometa semi synthetics		SHORT DESCRIPTION
	Colometa PA 15 F PA 25 F	Low oil content, finely dispersed emulsion for grinding and medium severe cutting operations. Focus on steels and cast iron.
future proof	Colometa ecoT 433	New development replaces Colometa EPA 20 PN Low oil content, finely dispersed emulsion for grinding and medium severe cutting operations. Focus on steels and cast iron.
future proof	Colometa ecoT 621	New development replaces Colometa BF 20 PN Low oil content, finely dispersed emulsion for grinding and medium severe cutting operations. Focus on steels and aluminium.
future proof	Colometa ecoT 330	New development replaces Colometa PA 40 FN Opaque emulsion, universally applicable for medium sever cutting and grinding. Focus on steels and aluminium.
future proof	Colometa ecoT 435	New development replaces Colometa PA 40 PN Opaque emulsion, universally applicable for medium sever cutting and grinding. Focus on steels and yellow metals.
future proof	Colometa ecoT 518	New development replaces Colometa BF 40 FN Universal use for all materials (incl. sensitive yellow metals and aluminium) and for severe operations.

Colometa ecoM: emulsions

Coolant concentrates with higher oil content > 40 %, based on mineral oil and/or ester oils. Mixed with water they create more coarse emulsions with opaque to milky appearance. Typically used for medium severe to severe cutting operations.

All Colometa are developed for as much as possible universal use:

- Suitable for a wide range of water hardness
- High stability and sump life
- Foam free up to high coolant pressures



Colometa emulsions		SHORT DESCRIPTION
future proof	Colometa ecoM 331	New development replaces Colometa EPA 48 FN Medium coarse emulsion with high lubricity for severe cutting operations. Focus on mild up to high tensile steels and aluminium.
future proof	Colometa ecoM 436	New development replaces Colometa EPA 48 PN Medium coarse emulsion with high lubricity for severe cutting operations. Focus on high tensile steels, titanium- and nickel-alloys.
future proof	Colometa ecoM 625	New development replaces Colometa BF 48 PN Coarse emulsion with high lubricity for severe cutting operations. Focus on high tensile steels, titanium- and nickel-alloys.
future proof	Colometa ABF-EP 60	Coarsely dispersed emulsion, universal for heavy duty machining operations, focus on non-ferrous metals and light alloys.
future proof	Colometa ABF-EP 47 E	Coarsely dispersed emulsion, free from mineral oils, ester based, for very heavy duty machining, focus on extra high strength steel and aluminium.

Non-water miscible cutting oils: Meba

Compared to water mixed cooling lubricants, where the water content provides maximum cooling action, this becomes less important in non-water miscible cooling lubricants in favour of a higher lubricating action. The performance of cutting oils is determined by the viscosity and by the content and effectiveness of the active additives.

The Oest Meba product range covers the entire bandwidth of viscosities, starting with low viscosity finish oils at approx. 3 mm²/s (40 °C) to higher viscosity oils up to approx. 100 mm²/s (40 °C) for the most difficult broaching operations. Using high quality base oils and modern additive technologies, Oest develops optimum solutions for modern machining processes.

The focus points for this are:

- High cutting action for long tool life and good surfaces
- Low evaporation base oils for minimising oil mist problems and fire hazard
- High raw material qualities for optimising skin compatibility

State-of-the-art base oil technologies are used in addition to high quality mineral oils:

- Meba HC on hydrocrack basis
- Meba S based on PAO- and GTL-technology
- Meba E based on polar esters
- Meba R products are based on the highest quality regenerated base oils (Group II-III), offering a substantial contribution to the conservation of resources and drastically optimization our sustainability







Meba: cutting oils for machining with defined cutting edges

Meba cutting oils are available for all operations and materials:

Cutting oils compatible with non-ferrous metals

Selected additives combine high performance with suitability for machining sensitive non-ferrous metals or light alloys without staining.



Cutting oils compatible with non-ferrous metals

SHORT DESCRIPTION



Cutting oils for steel and hard-to-machine materials

Chlorine free, chemically active EP additives prevent cutting edge build-up, even on the most difficult materials such as stainless steel, nickel and titanium alloys.

Cutting oils for steel and hard-to-machine materials

SHORT DESCRIPTION

Meba	Universal oils for medium duty machining.				
358x range	$\begin{array}{ccc} \text{Viscosity (40 °C)} & \text{Viscosity (40 °C)} \\ \textbf{12} & \text{mm}^2/\text{s} & \textbf{25} & \text{mm}^2/\text{s} \end{array}$				
Meba	High performance oils for machining stainless steel.				
372x range	$\begin{array}{ccc} \text{Viscosity (40 °C)} & \text{Viscosity (40 °C)} \\ \textbf{11} & \text{mm}^2/\text{s} & \textbf{16} & \text{mm}^2/\text{s} & \textbf{27} & \text{mm}^2/\text{s} \\ \end{array} \begin{array}{c} \text{Viscosity (40 °C)} \\ \textbf{27} & \text{mm}^2/\text{s} & \textbf{40} & \text{mm}^2/\text{s} \\ \end{array}$				
Meba	Special oils for medical implants.				
xxxx M range	Viscosity (40 °C) 11 mm²/s Viscosity (40 °C) 24 mm²/s				
	Special oils for extra heavy duty machining.* *) For exceptional cases, where oil containing chlorine				
Meba S range	Viscosity (40 °C) 16 mm²/s Viscosity (40 °C) Viscosity (40 °C) 30 mm²/s Viscosity (40 °C) is indispensable, products from the Meba xxxx C range are available				

Meba G and H: grinding and honing oils

Optimum grinding results for maximum machining volumes without burning require a precise performance from the grinding oils used:

- Controlled lubrication for long wheel service life and dressing intervals
- Optimum air separation for reliable cooling and free wheel's porosity
- Oest Meba G grinding oils ensure reliable processes for a large variety of processes



Meba G and H: grinding and honing oils

SHORT DESCRIPTION

Meba G 1706 S and G 1807 S	Synthetic high performance grinding oil. Focus on carbide tool grinding.
Meba G 1707 S	Synthetic high performance grinding oil, focus on tool grinding and deep grinding.
Meba G 2010	Universal grinding oil for grinding and for simple machining.
Meba G 3513	High performance grinding oil for gear grinding.
Meba G 2516	Flute grinding oil for manufacturing spiral drills of HSS and carbides.

Superfinishing oils Oest Meba H ensure optimum surface quality for honing and finishing operations

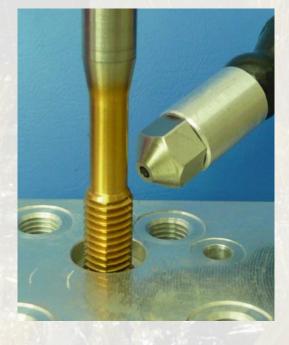
Meba G and H: grinding and h		SHORT DESCRIPTION
	Meba G 1903	Low viscosity finishing oil for finishing processes. Flash point > 100 °C.
	Meba H 5	Universal honing oil for simple to sophisticated applications.

Meba SP: spray mist lubricants for minimum quantity lubrication (MQL)

For machining operations where a circulating medium for cooling and chip transport can be omitted, the MQL technology can provide opportunities for cost reduction and/or productivity increase under favourable conditions.

The lubricating aerosol can be provided through one channel or two channel spray systems, in individual cases also in combination with CO2 or N2 cooling (cryogenic cooling).





Oest Meba SP spray mist lubricants are formulated without mineral oils from components which offer maximum lubricating action with regard to the minimal quantities used. Oest Meba SP spray mist lubricants are compatible with non-ferrous metals and light alloys.



Meba SP: spray mist lubricants for minimum quantity lubrication (MQL)

SHORT DESCRIPTION

1-C	Meba SP 24 E	Low viscous, synthetic ester for simple machining operations.
1-C	Meba SP 36 E	Universal spray mist lubricant for medium duty machining of all materials.
1-C	Meba SP 43 EZ	High performance spray mist lubricant, focus on high strength steel.
1-C	Meba SP 28 A	Special oil based on fatty alcohols for aluminium machining. Leaves no residue through subsequent heat treatment.

Dielectrics for spark erosion: FE Fluid

In addition to allowing optimum flashover, the primary task of the spark erosion media is flushing the gap between workpiece and electrode. The suitable viscosity is one of the determining factors for product selection.

The Oest FE Fluid product family covers all operations: from finishing to roughing, also in combined application on special purpose machines for eroding and grinding.

Dielectrics for spark erosion: FE Fluid		SHORT DESCRIPTION
FE Fuid 101		Low viscous fluid for high surface quality in finishing processes. Viscosity (40 °C) 1.3 mm²/s
	FE Fluid 2406	Universal fluid with high performance for finishing and roughing applications. Viscosity (40°C) 2.4 mm²/s
	FE Fluid 1706 S	Synthetic multi function fluid for machines with combined erosion and grinding.

6.0 mm²/s





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Forming lubricants

Lubricants for chipless metal forming are one of the core competences of Oest. Oest has been producing lubricants for cold forming and some warm forming processes on different metal materials.

Product development and selection always takes into account the entire production process: from material preparation and lubricant application to the actual forming process and the downstream process steps.

The product range comprises very different technologies: fluids from "thin as water" to "viscous as honey", pastes and greases, water miscible forming lubricants, evaporative stamping/bending oils and VOC-free products.

Oest forming lubricants are used in a large variety of industries:

automotive manufacturing, systems and mechanical engineering, etc.

Oest Platinol

Forming lubricants for sheet metal forming.

Oest Robinol

Forming lubricants for tube forming.

Oest Variol

Forming lubricants for massive forming and Cu/Ms tube expanding.



Platinol SF: vanishing oils

Vanishing oils are used with the aim of leaving as little lubricant as possible on the formed workpieces in order to allow downstream process steps without prior parts cleaning.

Oest uses hydrocarbons with high flash points and optimised drying times as base fluids to allow adaptation to the drying conditions of the manufacturing process. Lubricating additives allow punching, bending, stamping and deep drawing operations with light to medium lubricity demand on steel, non-ferrous metal and aluminium sheets with small thickness.

Platinol SF: vanishing oils			SHORT DESCRIPTION
Cu	Flash point > 61 °C Platinol SF 18-1	Flash point < 60 °C Platinol SF 18	Residue-free evaporative vanishing oil for absolutely dry parts.
Cu	Flash point > 61 °C Platinol SF 19		Low residue punching/stamping oils for aluminium sheets < 1 mm.
Cu	Flash point > 61 °C Platinol SF 21-1	Flash point < 60 °C Platinol SF 21	Low residue punching oils for non-ferrous metal, aluminium and steel sheets up to 1.5 mm.
Cu	Flash point > 61 °C Platinol SF 25-1	Flash point < 60 °C Platinol SF 25	Low residue punching oils, bending oil for stainless steel sheets up to 1.5 mm.
	Flash point > 61 °C Platinol SF 32-1	Flash point < 60 °C Platinol SF 32	Partial evaporative punching/bending oils for medium duty forming operations.
	Flash point > 61 °C Platinol SF 65		Partial evaporative punching/bending oil for heavy duty forming operations.

Platinol B: free from chlorine and solvents

High performance oils for all processes in sheet metal forming and all materials suitable for cold forming.

The Oest Platinol B product range comprises product families with different lubricity levels and a wide range of viscosities.



The optimum lubricant for any application:

Platinol B: free from chlorine and solvents

SHORT DESCRIPTION

Platinol B 200	Light to medium duty punching, bending, deep drawing of simple steel, non-ferrous metals and light alloys.					
В 200	1 150	/iscosity (40 °C) mm²/s 300	450	600		
Platinol B 300	Medium to heavy duty forming of steel, stainless steels and aluminum: punching, bending, deep drawing, fine blanking. With rust protection on steel.					
	1 150	/iscosity (40 °C) mm²/s 300	450	600		
Platinol B 500	Light to heavy duty pu steel, stainless steels a	-		wing of		
	1 150	/iscosity (40 °C) mm²/s 300	450	600		
Platinol B 900	Very heavy duty formi as a replacement for c Platinol C range.	-	_			
	1 150	/iscosity (40 °C) mm ² /s	450	600		

Platinol B 800: automotive manufacturing

Forming lubricants for automotive manufacturing present a special challenge. In addition to the forming performance, development has to meet various additional requirements: they have to be washable, compatible with the metal adhesives used, compatible with the paint systems, compatible with different welding processes, and many others.

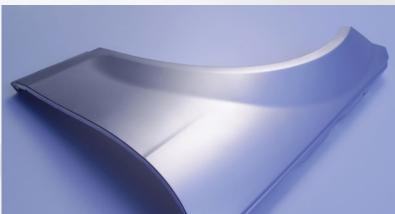
After an intense and long development period, Oest has succeeded in developing a customised product which meets the requirements of all German and many international car manufacturers.

Platinol B 804-3/COW-1

Platinol B 804-3/COW-1 has received general approval from the German Association of the Automotive Industry VDA (status 4). This comprises the clearance for use at all OEM and their subcontractors. Platinol B 804-3/COW-1 is used as a spot lubricant for difficult forming processes for body, structural and reinforcement parts.

- High forming performance
- Reduced film thickness and consumption
- Easy to wash off
- Compatible with cathodic dip coating
- Compatible with metal adhesives
- Weldable
- = safe and efficient processes!





Robinol: tube forming

Tube forming comprises methods such as expanding reducing, bending and hydroforming.

Lubricants from the Oest Robinol range have proven successful in many processes and are recommended by renowned manufacturers of processing machines.



Forming oils for manual or automatic application:



Recommended by

Robinol R 600 range

SHORT DESCRIPTION

High performance oils for heavy to very heavy duty forming operations on aluminium and steels including high strength, stainless steel, e.g. for manufacturing of car exhaust systems.

	Viscosity (40 °C) mm²/s				
1	spraying	100	500	automatic Manual	2500

Gel concentrates for manual or automatic application:

Platinol G range

SHORT DESCRIPTION

Robinol G range Water miscible, mineral-oil free gel concentrates for use undiluted or mixed with water on steel and stainless steel tubes.

Viscosity (40 °C) mm²/s			
1	100	200	1000

Forming pastes for manual application:

Robinol R 20 range



Robinol R 20 range

SHORT DESCRIPTION

Forming pastes with a high content of solid lubricants for manual application.

Highest forming performance for all materials.

Variol: massive forming

Cold forming of bars, profiles and tubes made of solid raw material and warm pre-drawn tubes requires the highest lubrication action to prevent adhesive material build-up on the forming tools.

Oest has developed different additive technologies for the specific requirements of different materials.

Variol: massive forming SHORT DESCRIPTION High performance forming oils for drawing blank steel on Schumag racks. Drawing of steel and stainless steel materials from ring-to-bar or from bar-to-bar in the shapes round, square, hexagon and freely defined profiles. Variol ST forming oils additionally offer good corrosion protection for the drawn products. Viscosity (40 °C) mm²/s 1000 Forming oils for internal and external lubrication in manufacturing of pressed, pilger rolled and pre-drawn tubes as well as bars and profiles made of non-ferrous metals. Variol CU Special base oils and additives allow to achieve a residual carbon content of < 0.2 mg/dm² on the inner surfaces of the finished tubes. Viscosity (40 °C) mm²/s Water miscible emulsion concentrates for pilger rolling Variol WE as well as deep drawing and stretching of non-ferrous metal. Forming lubricant for warm rolling of plates made of Variol W zinc and refined zinc.



Variol OFP: cold forging

Cold forging often involves high temperatures and surface pressing.

Oest Variol OFP cold forging oils prevent material buid-up on and adhesive wear of the tools and allow forming of complicated shapes even from difficult materials. All common forming processes such as full forward, sideways or hollow reverse pressing can be managed with these lubricants.

Variol OFP: cold forging		SHORT DESCRIPTION
	Variol OFP 1000	Cold forging oils exclusively for cooling and lubrication of press tools and materials on single stage or multi stage presses with separate circuits for forming oil and machine lubrication. Suitable for heavy to very heavy duty forming operations on steel, alloyed stainless steel.
Cu	Variol OFP 2000	Copper-compatible multi function oils for machines with only one lubrication circuit for mould cooling and machine lubrication (type CLP) or possible cross contamination of forming oil into the machine lubricating oil. Suitable for cold forging of steel, aluminium and nonferrous metals.
6	Variol OFP 3000	High performance cold forging oils with optimised flash point > 250 °C for processes with extreme temperature generation and for preventing the formation of irritating oil mist/smoke from hot workpieces. Suitable for cold forging of steel, aluminium and nonferrous metals.





All around metal working

As a system supplier, Oest is capable of supplying all applications in metalworking processes with products from in-house development and production. This allows the user to purchase all required products from one source, to realise a lean lubricant supply and to minimise costs:

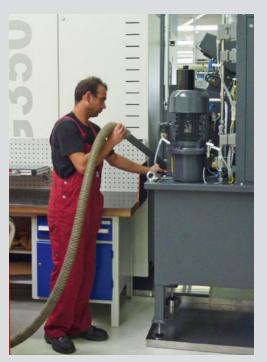
processing media, machine lubricants, cleaning agent and corrosion protection.

The crucial advantage of Oest as a system supplier is the prevention of interface problems through coordinated products. Any questions can be processed and answered responsibly.

A good example for this is the Solvent Care® additive technology:

In cooperation with one of the leading manufacturers of solvents for parts cleaning, an additive package for metalworking lubricants was developed which has been proven to minimise the risk of corrosion and machine damage. Oest metalworking lubricants with Solvent Care technology allow easy cleaning of the machined workpieces as well as efficient and safe operation of cleaning systems with hydrocarbons, modified alcohols or chlorinated solvents.





Solv: parts cleaning

The topic of component cleanliness is becoming increasingly important. This makes effective parts cleaning even more important.

Oest covers water based cleaning and cleaning with hydrocarbon solvents. Oest Solv products have been approved and recommended by renowned system manufacturers.

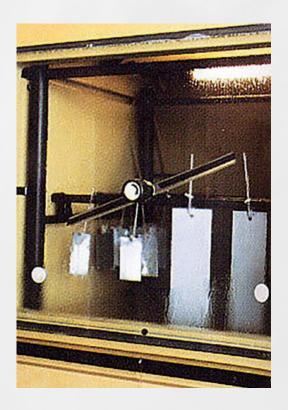
Solv W: water miscible cleaner concentrates		SHORT DESCRIPTION
8.8 pH	Solv WS-U	Spray cleaner for steel and aluminium with temporary corrosion protection.
7.7 pH	Solv WS-A2	Spray cleaner for all materials, especially sensitive aluminium alloys.
12.0 pH	Solv WT-S	Cleaner concentrate for ferrous materials, suitable for immersion-, spray- and ultrasonic systems.

Solv: hydrocarbon solvent		SHORT DESCRIPTION FLASH POINT > 60 ℃
	Solv IP 62	Isoparaffin, odourless, evaporation number 115 (ether = 1).
	Solv EA 160	White spirit, free from aromatic compounds, low odour, evaporation number 170 (ether = 1).
	Solv AF 800	Low odour petroleum replacement, evaporation number 800 (ether = 1).
VOC	Solv EA 3500	Dearomatised hydrocarbon, evaporation number > 1000 (ether = 1).

Antiko: corrosion protection

For temporary storage and transport up to long term conservation.

Oest Antiko corrosion protection products ensure reliable protection of workpieces, components and machines.



Antiko: corrosion protection	SHORT DESCRIPTION
Antiko DW	Dewatering fluids for immersion of wet workpieces. Create a thin, barely perceptible film for temporary protection for approx. 6 to 12 months.
Antiko DW-KO	Concentrates for mixing with hydrocarbon solvents on site. Protection performance can be selected as required. Also suitable for automatic dosing in solvent cleaning and conservation systems.
Antiko O	Solvent free oils with different viscosities. Easily sprayable on dry components for protection up to 24 months.
Antiko W	Hydrocarbon based wax dispersion for creating thicker wax films, dry and solid film, for long term protection up to several years.
Antiko E	Water miscible emulsion concentrates. Used in 10 - 20% at 60 - 80 °C for generating oily protective films, also after prior heat treatment.
Antiko WS	Water soluble corrosion protection concentrates for use as leak test media. Mixed with water, they produce clear, transparent solutions with temporary corrosion protection.

Machine lubricants

Machine lubricants

Spindle

lubrication

Oest offers a comprehensive range for reliable lubricant supply of machine tools and forming presses.

High quality lubricants according to international standards are supplemented by customised special products to meet the state-of-the-art requirements from machine manufacturers.



Standard oils according to DIN 51517.3 and ISO 6743.6 Special oils with increased load bearing capacity (FZG, Circulating Brugger) oils / gear Viscosities 5 680 mm²/s (40 °C). lubrication Viscosity (40 °C) 5 ... 600 mm²/s Standard oils according to DIN 51524.1-3 and ISO 6743.4 Special oils ■ With detergents (HLP-D) for applications with water Hydraulic With increased oxidation stability for extreme temperature load ■ With increased wear protection Viscosity (40 °C) 5 ... 150 mm²/s Special oils for preventing stick-slip. Allow exact positioning of tool or workpiece even with heavy load. Slide ways, Viscosity (40 °C) **32 ... 220** mm²/s

for spindle cooling.

bearing and central lubrication.

Lubricating spindle oils with optimum water separation

capability in ISO VG 2-5-10. Water miscible concentrate

Lubricating oils for bar magazines, various greases for

SHORT DESCRIPTION

Service

The use of metalworking lubricants requires competent product selection and close support during use. Check lists are available for recording the selection parameters.



Products mixed with water in particular can be subject to strong changes and have to be monitored for this and possibly serviced to ensure the longest possible safe use.

Our services

In the framework of the "Oest Fluid System", Oest offers customised support from analysis service to total fluid management/chemical management. The objective of all services is to minimise process costs by ensuring the best possible lubricant performance.



Devices

The Oest portfolio includes facilities and devices from renowned manufacturers for lubricant supply and maintenance. The basic range for easy and cost efficient maintenance of cooling lubricants mixed with water includes:

Colo-Mix

Automatic mixer using the Venturi principle.



Colo-Skim

Belt skimmer for removing floating tramp oil.



Quick tests for coolant monitoring

Test strips and devices for measuring concentration (refractometer), pH value, water hardness and nitrite content according to TRGS 611.







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