

MULTIPRESS®

High performance lubricants for
extruding and rotary swaging



Zeller+Gmelin
Mineralöle • Druckfarben • Chemie

MULTIPRESS®

High performance lubricants for extrusion and rotary swaging

Our **MULTIPRESS®** extruding oils are specifically composed for the requirements of modern fast-running machines and the highly alloyed steels used in metal forming.

We develop extruding oils for the most diverse requirements in close practical cooperation with our customers.

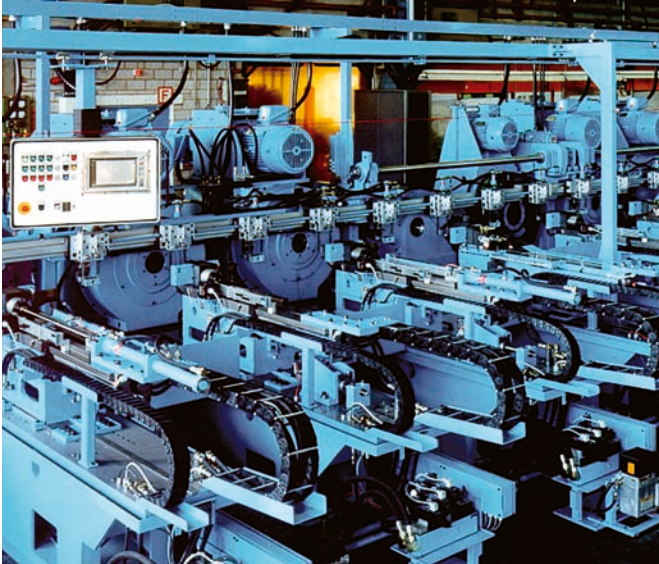
The consistently high quality of the lubricant components utilised results in the greatest possibly operating safety for the user.

MULTIPRESS® extruding oils make ensure an efficient and cost-optimised production.

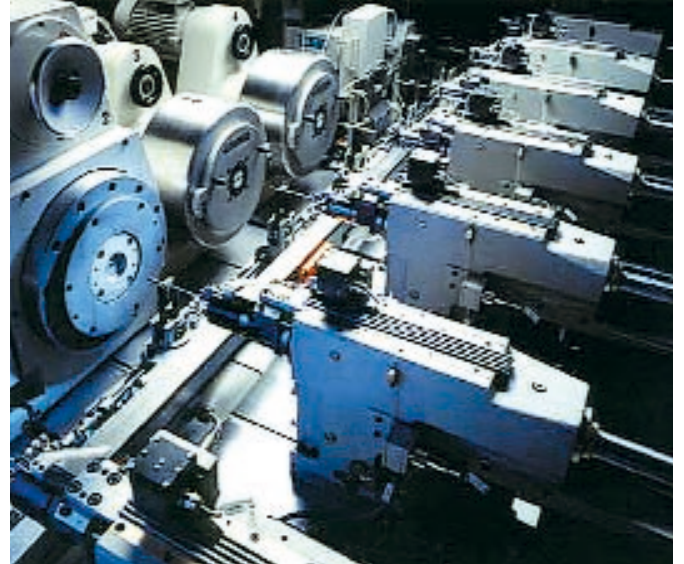
Zeller+Gmelin is certified to DIN EN ISO 9001:2008 and DIN EN ISO 14001:2005.

Advantages:

- can be used on single- and multi-stage presses
- lubrication: good EP properties, high pressure absorption capacity
- high temperature stability
- easy application, good adhesion
- good degreasing after processing
- compatible with surface coatings (bonderising, oxalic acid treatment, soaping) and follow-up operations
- protection against corrosion
- environmental friendly



HMP Multi-station machines



Felss transfer line for rotary swaging, sawing, turning and thread forming.

We also offer advice on questions concerning lubrication and machining, laboratory monitoring of the products in use as well as help in lubricant disposal.

In the overview below you will find a comprehensive selection of **MULTIPRESS®** extrusion oils for non-cutting metal forming. Further products for special purposes are available upon request. Our technical service is available for advice concerning the usage.

MULTIPRESS®

EXTRUSION OILS - TYPE OVERVIEW

Description	Viscosity mm²/s/40 °C	Low alloyed steels	Case hardened & tempering steels	Stainless steels
Standard program				
MULTIPRESS SSP 120	120	●	●	●
MULTIPRESS SSP 70	70	●	●	●
MULTIPRESS ULTRA 120	120	●	●	●
MULTIPRESS ULTRA 70	70	●	●	●
MULTIPRESS ULTRA 40	40	●	●	●
MULTIPRESS SPECIAL 120	120	●	●	●
MULTIPRESS SPECIAL 70	70	●	●	●
MULTIPRESS EXTRA 120	120	●	●	◐
MULTIPRESS EXTRA 70	70	●	●	◐
MULTIPRESS EXTRA 40	40	●	●	◐
MULTIPRESS S 120	120	●	●	○
MULTIPRESS S 70	70	●	●	○
MULTIPRESS 70	70	●	◐	○
MULTIPRESS 40	40	●	◐	○
Full-synthetic oils, low in evaporation				
MULTIPRESS SPE 120	120	●	●	●
MULTIPRESS SPE 70	70	●	●	●
Special oils for aluminium and nonferrous metals				
MULTIPRESS AL 70	70	○	○	○
MULTIPRESS AL 40	40	○	○	○
Multi-purpose oils				
MULTIPRESS UNIVERSAL 100	100	●	●	○
Special types				
MULTIPRESS PEK		●	●	●

Key: ● suitable ◐ suitable for metal forming up to medium difficulty ○ not suitable

Non-ferrous heavy metals	Aluminium	Application
○ ○	● ●	High-performance extruding oils for highest requirements, especially for stainless and extremely hard and tough steels.
○ ○ ○	● ● ●	Highly alloyed extruding oils for strong forming of high-strength steels as well as for manufacturing of complicated shaped tools.
○ ○	● ●	Highly alloyed, zinc-free extruding oils for steels difficult to form. Also suitable for aluminium.
○ ○ ○	● ● ●	Highly alloyed extruding oils for steels difficult to form as well as for manufacturing of complicated shaped tools.
○ ○	● ●	Extruding oils for manufacturing cylinder head studs e.g. with hexagon socket.
○ ○	○ ○	Extruding oils for low alloyed steels suitable for production of nuts and screws.
○ ○	● ●	Highly alloyed, fully synthetic extruding oils low in evaporation for steels difficult to form with complicated dies. Flash point >240°C.
● ●	● ●	Fully synthetic extruding oils specially for aluminium and non-ferrous heavy metals.
●	●	Extruding oils for multifunctional use in extrusion presses and for slideway lubrication, especially for oil circuits that are not separated.
○	●	Pigmented extruding oil for strong formings especially for warm forming.

MULTIPRESS®

– Oils for rotary swaging and gear forming

Rotary swaging – an innovative cold forming procedure with products from Zeller+Gmelin

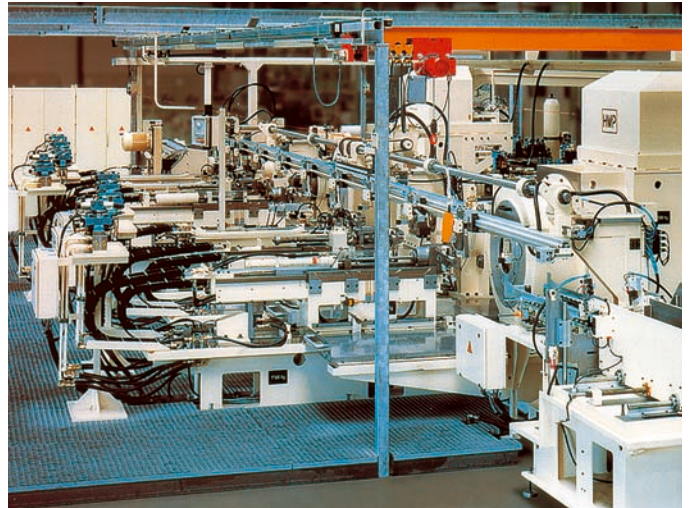
Zeller+Gmelin has the ideal lubricant for this high-grade production process. Our product **MULTIPRESS RK 20** is a high-performance lubricant for rotary swaging of steel. The lubricant is characterised by its excellent rinsing and cooling effect.

Recommended by leading manufacturers of rotary swaging machines.

We recommend **MULTIPRESS AL 40** as a rotary swaging oil for aluminium and non-ferrous heavy metals.

These rotary swaging oils are specially adjusted to our oils for gear forming. In this manner the overall efficiency is increased and optimised.

We recommend our products **MULTIPRESS SSP 70** or **MULTIPRESS CF4** for gear forming.



HMP transfer line for rotary swaging

Designation	Viscosity mm ² /s/40 °C	Application
Oils for rotary swaging		
MULTIPRESS RK 20	20	Rotary swaging oil containing mineral oil for steel.
MULTIPRESS AL 40	40	Fully synthetic rotary swaging oil for aluminium and non-ferrous heavy metals.
Oils for gear forming		
MULTIPRESS SSP 70	70	Gear forming oil for the highest requirements suitable for stainless steels, steels and to a limited extent for aluminium.
MULTIPRESS CF 4	40	Gear forming oil for high requirements suitable for stainless steels, steels and aluminium and to a limited extent for non-ferrous heavy metals.



PROGRAM

Industrial lubricants

MULTICAL®	calibration lubricants
MULTICOR®	anti-corrosion agents
MULTICUT®	non water-miscible cooling lubricants
MULTIDRAW®	wire drawing lubricants
MULTIDRAW®	deep drawing lubricants
MULTIPRESS®	extrusion oils
TEXTOL®	lubricants for the textile industry
ZUBORA®	water-miscible cooling lubricants
DIVINOL®	lubricating greases
DIVINOL®	guideway and slideway oils, hardening oils, adhesive oils, hydraulic oils, industrial gear oils, commercial white oils, compressor oils, cylinder oils

You can find our products in over 100 countries world-wide .



Zeller+Gmelin
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Zeller + Gmelin GmbH & Co.KG
Schlossstraße 20 · 73054 Eislingen, Germany
Fon +49 7161 802-0 · Fax +49 7161 802-370
info@zeller-gmelin.de · www.zeller-gmelin.de