About us

In 1834 Carl Bechem founded the first German oil factory. With daughter companies in France, India and Switzerland, production sites in Germany (Hagen, Mieste, Kierspe), China and India as well as Joint Ventures in the USA, South Africa, Sweden and China BECHEM belongs today to the "global players" in the field of tailor-made high-performance lubricants.

In addition, BECHEM has built up a tight network of competent sales partners and thus guarantees that the BECHEM lubricant solutions, accompanied by the required individual support, are available in about 60 countries all over the world.





Customized solutions for each application

New technologies in the sheet forming industry, increased cost pressure and strict environmental regulations require high responsibility in handling lubricants in use. Demanding metal alloys and increasing requirements with regard to the surface quality and residual contamination on the parts call for permanent reflection and further development of the forming lubricants. For BECHEM an intensive development work has always been of major importance in order to meet the prevailing market requirements and to be a competent contact for their customers and solve their problems. This is supported by active work in associations as well as by the participation in research projects of various institutes and universities. BECHEM is a partner of the sheet forming industry who, together with the customer, considers and coordinates the complete process chain. Thus the BECHEM forming lubricants guarantee optimal process reliability and efficiency thanks to innovative product technologies and tailor-made lubricant solutions. True to the motto "Obliged to tradition – committed to the future", BECHEM permanently deals with the future challenges in order to further maintain their leading market position and to guarantee the BECHEM customers competitive advantages. After mutual detailed examination we are developing a solution together with you in order to recommend a process-optimized lubricant tailored to your requirements.

Product Portfolio Sheet Forming



Non water miscible, chlorine free punching and deep drawing oils

With the STO series BECHEM offers a product range tailored to viscosity and performance which is based on latest technology: from forming oils for easy operations and all metal materials up to high-performance oils which, in stainless steel processing, are a real alternative to chlorinated products. The exchange of critical substances in metal working fluids is a considerable benefit not only with regard to process reliability and economy, but also for ecology.

					TECHNICAL DATA			APPLICATION MATERIAL				APPLICATION PROCE			
	Product		VISCOSITI	Hat 40°C	Polatances substances	ives Steel	Stan	aumi Aumi	num Nont	erous metal	ing Fine F	Janking Deep	drawing Bendi	ng Minin	um quantit um quantit um quantit um quantit prication
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O = low ... 00000 = very high The above mentioned products represent only part of our extensive portfolio. We will be pleased to tailor the optimal product to your specific requirements.



CESS



dium viscous forming oil for medium to demanding sheet forming arations

dium viscous forming oil for medium to demanding sheet forming erations with a high additive content

h-performance oil for severe to very demanding punching and fine ting operations on transfer presses, well suitable for minimum quantity rication

sy to medium sheet forming operations

difficult and most demanding sheet forming operations, becially fine cutting

difficult and most demanding sheet forming operations, becially fine cutting

difficult and most demanding sheet forming operations, becially fine cutting and deep drawing

ming of fine sheets of normal deep drawing qualities, galvanised steels, inless steels and aluminium

manding sheet forming operations, chlorine free

ming of fine sheets of normal deep drawing qualities, n-ferrous metals, steel and aluminium

ming of fine sheets of normal deep drawing qualities, n-ferrous metals, steel and aluminium

ming of fine sheets of normal deep drawing qualities, n-ferrous metals, steel and aluminium

Product Portfolio Sheet Forming

Volatilizing punching oils

The BECHEM VSM product series is used when clean surfaces are required in easy forming operations with low material thickness. Different gradations of volatilizing components and lubricating parts guarantee very economic forming operations since further processing can in most cases be done without additional degreasing.

Emulsifiable, chlorine free punching and deep drawing lubricants

The BECHEM STE product series has been designed for the application as emulsion diluted with water; in individual cases it can also be used as neat forming oil. Since cleaning can be done with pure, slightly heated water, excellent surface qualities as well as very economical production processes and easy processing are guaranteed.

Chlorine-free pastes

Products from the BECHEM STP product series have been developed for most demanding forming operations where oils are no longer sufficient. In view of their pasty consistency these products are emulsifiable so that slightly heated water is sufficient for cleaning in order to achieve high surface qualities and realise economic production processes.

Special products for stainless forming of aluminium

For processing of highly sensitive aluminium alloys BECHEM offers special lubricant solutions which guarantee stainless forming operations.

						TECHNICAL DATA			LICATI		AFFLICATION PROC				
	Product		VISCOSI	N at 40°C	Polatances substances	tives Steel	Stant	ass steel Aumi	num Non-	erous metal	ing Fine F	Janking Deep	drawing Bendi	No Minin	num quantion num cation Attr
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punching and deep drawing oils	Beruform STE 5023	5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	570	00	000	•		•	•	•		•	•		Water proce non-f
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	Beruform STP 3734	<mark>∿ ને જ</mark> ૈ ૨ દે જો	-	0000	000	•	•		•			•	•		Miner
stainless forming	Berucut MQL-A 20	바카오 ~~ Ø	27	00000	-	•	•	•	•	•		•	•	•	Miner well s sulph
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TECHNICAL DATA APPLICATION MATERIAL

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APPLICATION PROCESS



duction of bending and blanking parts as well as spring material, F H1 approval, biodegradable OECD 301 F, sulphur free

ming of steel, copper, aluminium and surface-plated materials, ohur free

duction of small parts, sulphur free

sy forming operations of steel, stainless steel and non-ferrous metals

duction of punching and bending parts

ter miscible forming concentrate for punching and deep drawing cesses, forming of normal and heat-treated steels, aluminium and n-ferrous metals

ter miscible forming concentrate, especially for zinc plated belt material well as for demanding aluminium and non-ferrous metal alloys

h-performance drawing paste for non-cutting machining of normal d heat-treated steels

h-performance drawing paste for most demanding deep drawing erations; also suitable in combination with the STO-series

neral oil free drawing paste based on native esters, sulphur free

neral oil free product especially for minimum quantity lubrication; I suitable for processing of low-alloyed steels and non-ferrous metals, ohur free

neral oil free product especially for minimum quantity lubrication; Il suitable for processing of low-alloyed steels and non-ferrous metals, phur free, low mist formation

Minimum quantity lubrication

Biodegradable



Chlorine free



Low residue level

All indications and values correspond to latest knowledge and do not represent any product specification