

# Automatic Maintenance Systems

The key to effective maintenance and upkeep



Development, production,  
installation and service  
from a single source



# Automatic maintenance systems made by BEKA

BEKA - the synonym for innovative and high-quality central lubrication systems. State-of-the-art technology, a comprehensive product range and worldwide presence ensure customized solutions for every request. Technology you can rely on.

## Disadvantages of a manual lubrication

When using a manual lubrication, lubricant is applied at a non-operating machine and can not distribute itself. The bearing is "overfilled" with grease and surplus grease comes out without the effect of lubrication. The consequences are fatal: the lube point is not sufficiently lubricated, the grease film at the friction point is used up very quick, hence wear and abrasion increase rapidly.

Example transmission chain: Steady maintenance increases the life time decisively.



BEKA delivers various efficient chain lubrication systems.

## BEKA - the key for efficient maintenance

A BEKA lubrication system supplies the high-loaded machine bearing points during the operation. Lubricant is reliably applied onto the complete bearing. Also bad accessible lube points are not forgotten. The grease film is renewed permanent with the lowest and exactly metered quantity. Hence a steady distribution in the bearing is ensured, with the effect of a drastic wear reduction and the related cost savings.

## BEKA: The full liner in central lubrication

BEKA offers a wide range of lubrication and maintenance systems for all types of use. Out of the main competence of industry and vehicle lubrication BEKA has made itself a name with high-tech applications for special lubrication problems as well as with innovative solutions in the sectors of environmental technology and monitoring electronic. Every tenth employee of BAIER + KÖPPEL works in the research and development sector. Our main focus is to develop customized solutions.

## Quality you can rely on.

The customer's satisfaction stands or falls with the quality of the delivered products. Due to this reason the quality assurance at BAIER + KÖPPEL plays a central role.

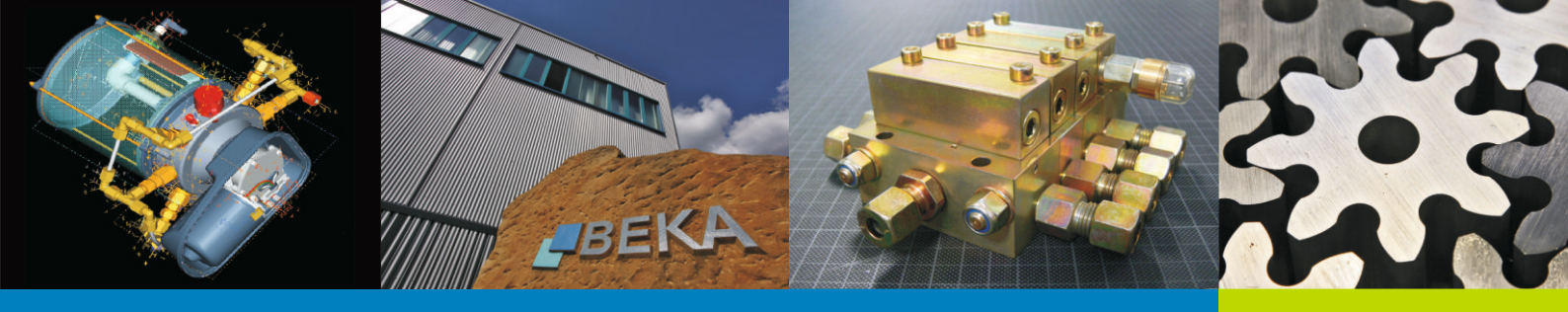
BEKA is certified according to DIN EN 9001 : 2008 and DIN EN 14001 : 2009.



## Development, production, installation and service from a single source!

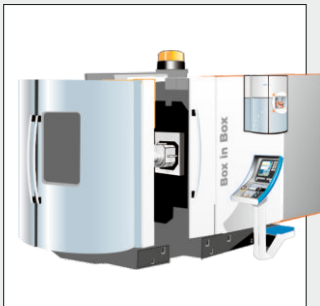


24 hours 365 days on the road for you: The BEKA-service team



Always the optimal lubrication system: Depending on the case of application, we offer our customers tailor-made configured solutions, which are made up of one or more different lubrication systems. From a simple lubricator up to high-tech maintenance systems!

**Our specialists will be pleased to inform you!**



### The single line system

Concerning a single line system, lubricant is supplied via a main line to the distributors under intermittent pressure and is applied onto the lube points in metered quantities. The advantages of this single line system are the simple design, installation and maintenance as well as an easy retrofitting.

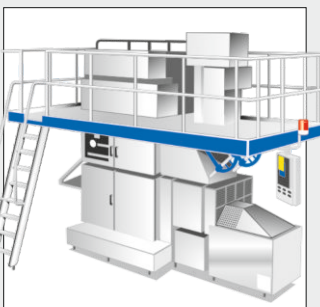
**Example for application:** Lube point supply of small and medium-sized machines, machine assemblies and systems like e.g. tool-, textile-, and packing machines.



### The multi line system

The multi line system effectuates that lubricant is passed on via several pump outlets in particular quantities. Each outlet can be adjusted individual and is directly lead to the lube point.

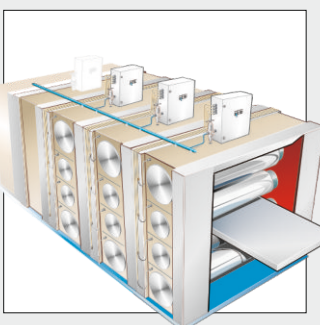
**Example for application:** Perfect solution for machines and machine assemblies with a small number of lube points like a presses, cranes, compressors and wind power plants.



### The dual line and progressive system

The dual line system is the classic solution for big systems. An advantage of a progressive distributor is that many lube points are provided with lubricant with only one supply line.

**Example for application:** A dual line system is used at machines and systems whose lube points are far apart from each other like rolling mills, timber yards and overburden dredgers. Progressive system: for machines and systems with many lube points like presses, stamping machines or cranes.

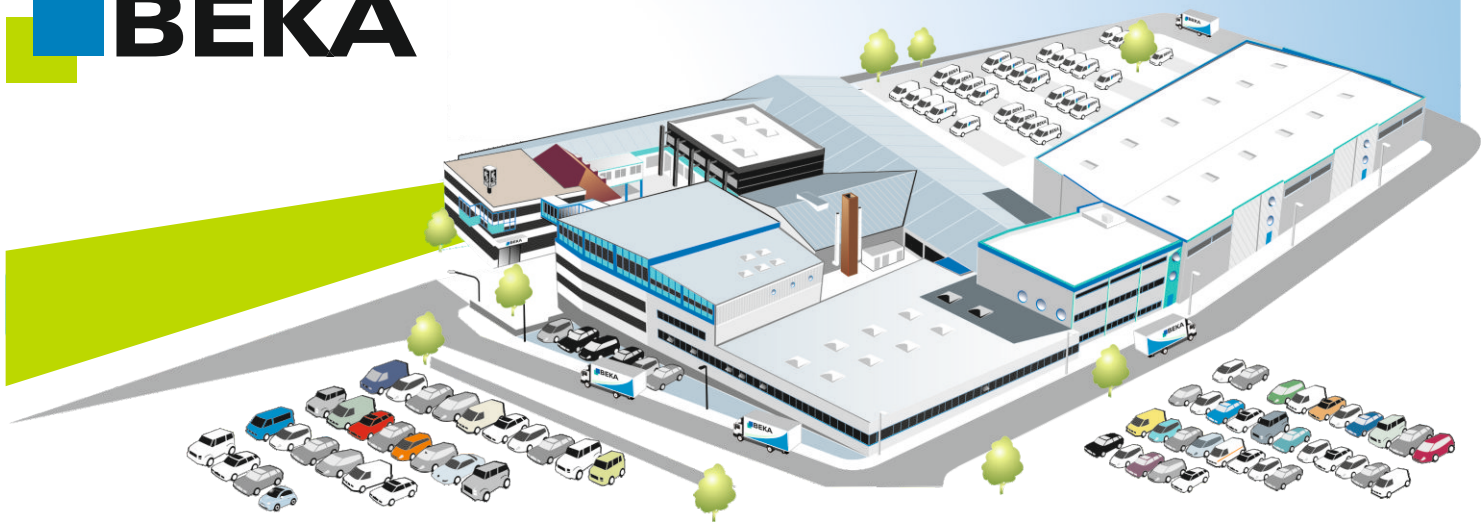


### The oil circulating system

The oil circulating system is responsible for the lubrication and cooling of large machines and systems. BEKA plans and manufactures oil circulating systems, beginning from the pump station up to a complete pipe system, according to customer's demand.

**Example for application:** Oil circulating systems, with a circulating capacity up to 100.000 litres, are used in large presses, large transmissions, rolling mills and printing machines.





## BAIER + KÖPPEL GmbH + Co. KG

BEETHOVENSTRASSE 14  
91257 PEGNITZ/BAVARIA  
GERMANY

PO BOX 13 20  
91253 PEGNITZ/BAVARIA  
GERMANY

fon +49 9241 729-0  
fax +49 9241 729-50

e-mail beka@beka-lube.de  
web www.beka-lube.de

BEKA INDUSTRIAL
BEKAMAX
BEKAMINING
BEKA FLUILUB
BEKA FOODLINE  
BEKAWIND
BEKAWOOD
BEKACLEARTRONIC
BEKATRON
BEKATRAX



## BEKA International

- ALGERIA**  
 BEKA LUBE ALGERIE  
 Zone d'activite n°25  
 25140 Ain-smara / Constantine  
 fon +213 31 97 51 00  
 fax +213 31 97 51 12  
 e-mail jet-services56@gmx.fr
- CHINA**  
 BEKA Lubrication Systems Co., LTD  
 Room 1803, Building 1 Sandhill Plaza,  
 No.2290 Zuchongzhi Road,  
 Pudong New District, Shanghai 201210  
 fon +86 21 61462988  
 fax +86 21 61462989  
 e-mail sales@bekaworld.cn
- NETHERLANDS**  
 BEKA NEDERLAND B.V.  
 Wagenmakerij 11  
 4762 AV Zevenbergen  
 fon +31 168 37 15 38  
 fax +31 168 33 83 29  
 e-mail info@beka.nl
- SINGAPORE**  
 BEKAWORLD Singapore PTE. LTD.  
 51 Changli Business Park Central 2  
 #07-10 The Signature  
 Singapore 486066  
 fon +65 6538 9418  
 fax +65 6538 9428  
 e-mail sales@bekaworld.sg
- AUSTRIA**  
 BEKA-Lube GmbH  
 Rottweg 66  
 5020 Salzburg  
 fon +43 662 43 84 40  
 fax +43 662 43 84 403  
 e-mail office@beka-lube.at
- EAST TSANHAIR COMPANY LTD.**  
 7A Building, Medicine Valley No.1,  
 No.9 Tianfu Street, Bio-Medicine Park,  
 Zhongguancun Science Park,  
 Daxing District, Beijing 102600  
 fon +86 10 83 681 526  
 fax +86 10 83 681 520  
 e-mail beka-lube@bekachina.com
- KOREA**  
 BEKAWORLD Seoul Rep Office  
 A-1406, Sunyudo Woolim Lions Valley  
 Yangpyeong-dong 5-ga  
 Yeongdeungpo-gu, Seoul (150-984)  
 fon +82 2 2038 0988  
 fax +82 2 2038 8934  
 e-mail sales@bekaworld.kr
- TURKEY**  
 BEKAMAKS MAKINA SANAYI ve TICARET  
 LTD. STI. Kucukyali Ticaret Merkezi  
 B Blok No. 7 Gime Mah.  
 34852 Maltepe / Istanbul  
 fon +90 216 367 34 00  
 fax +90 216 367 33 85  
 e-mail info@bekamaks.com
- BELGIUM**  
 BEKA LUBE N.V.S.A.  
 Demerstraat 32  
 BE 3200 Aarschot  
 fon +32 16 64 09 26  
 fax +32 16 64 05 48  
 e-mail bekalube@skynet.be
- FRANCE**  
 BEKALUBE FRANCE  
 4, bis Rue de l'Artisanat  
 89100 Paron  
 fon +33 386 83 39 06  
 fax +33 386 65 52 24  
 e-mail contacts@bekalube.fr
- USA**  
 BEKAWORLD LP Atlanta  
 2775 North Hills Drive NE  
 Atlanta, GA 30305  
 fon +1 404 841 1133  
 fax +1 404 968 9433  
 e-mail info@beka-lube.com
- CANADA**  
 BEKA-LUBE Products Inc.  
 2830 Argenta Road, Unit 9  
 Mississauga ON L5N 8G4  
 fon +1 905 821 10 50  
 fax +1 905 858 05 97  
 e-mail info@beka-lube.com
- ITALY**  
 BEKALUBE s.r.l.  
 Via E. Rossi, 152  
 I-20862 Arcore (MB)  
 fon +39 039 618 00 88  
 fax +39 039 61 75 23  
 e-mail servizioclienti@bekalube.it
- SPAIN**  
 BEKA-LUBE IBERICA S.L.U.  
 C/Albasanz 14 Bis, 2ª J  
 28037 Madrid  
 fon +34 91 440 26 56  
 fax +34 810 520 178  
 e-mail beka@beka-lube.es
- BEKAWORLD LP Buffalo**  
 258 Sonwil Drive  
 P.O. Box 234  
 Buffalo, NY 14225  
 fon +1 905 821 1050  
 fax +1 905 858 05 97  
 e-mail info@beka-lube.com

## Agencies

Argentina	Finland	Latvia	Serbia
Australia	Great Britain	Lithuania	Slovakia
Belarus	Greece	Luxemburg	Slovenia
Bosnia	Hong Kong	Malaysia	South Africa
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