



WOERNER
Lubrication Experts since 1922

Reliable lubrication solutions for
CEMENT INDUSTRY



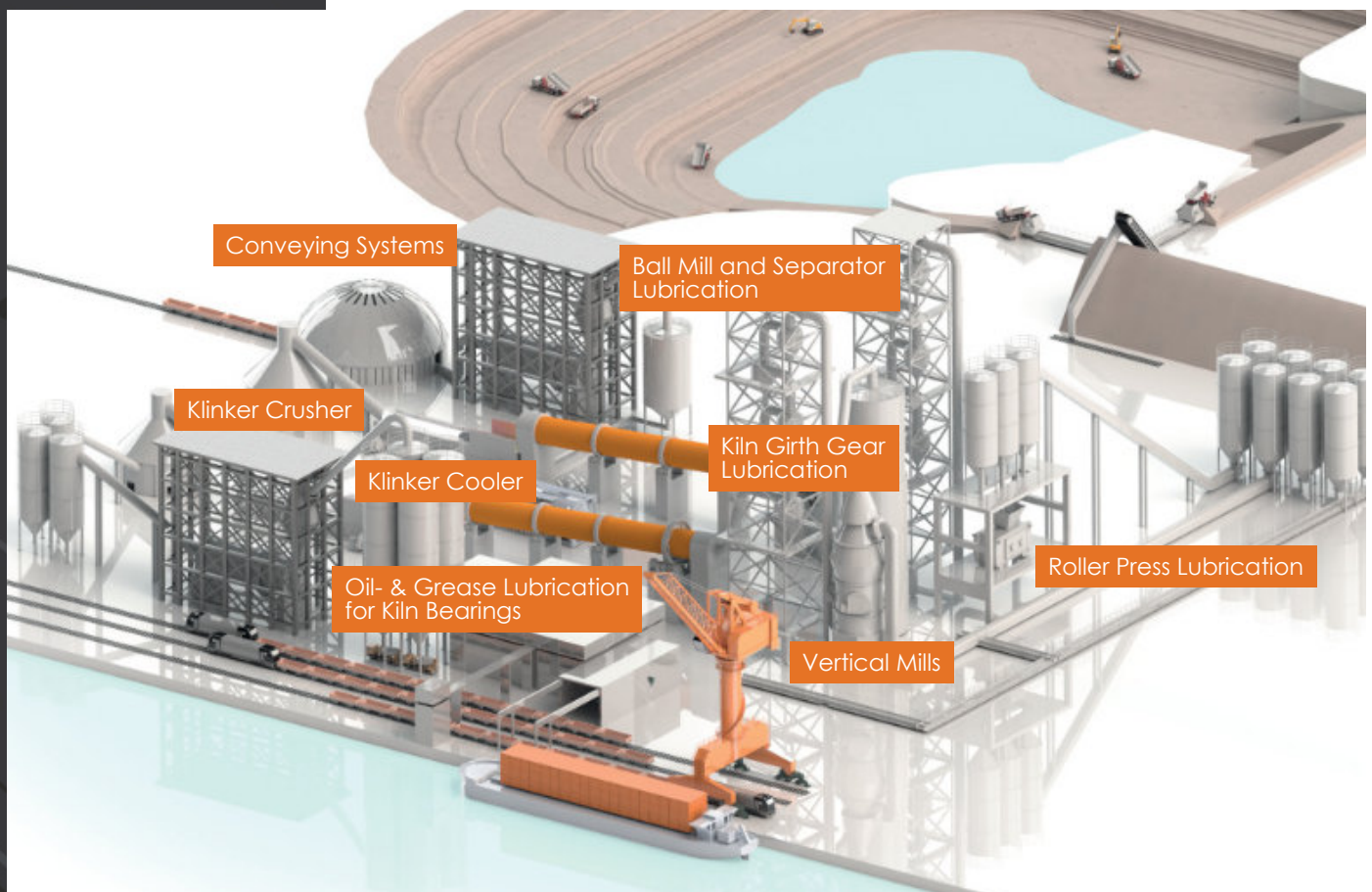
CEMENT INDUSTRY

LUBRICATION SOLUTIONS FOR OIL CIRCULATION UNITS, GREASE LUBRICATION UNITS, GREASE SPRAY LUBRICATION UNITS

WOERNER has supplied thousands grease spray lubrication systems operating for leading cement plant manufacturer worldwide. The distance of our clients is no matter for us.

WOERNER grease spray lubrication systems are used because of their:

- Long spraying cycles
- Large spraying width, continuous spraying pattern
- Optimum lubricant consumption by applying it consistently
- Lubricant amount can be adjusted to the strain of the gear
- Monitored spraying unit
- Easy maintenance
- Tough construction



CHALLENGES

Lubrication challenges in the cement industry:

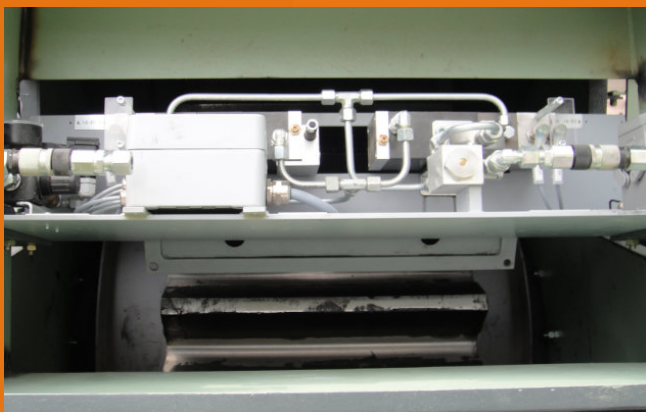
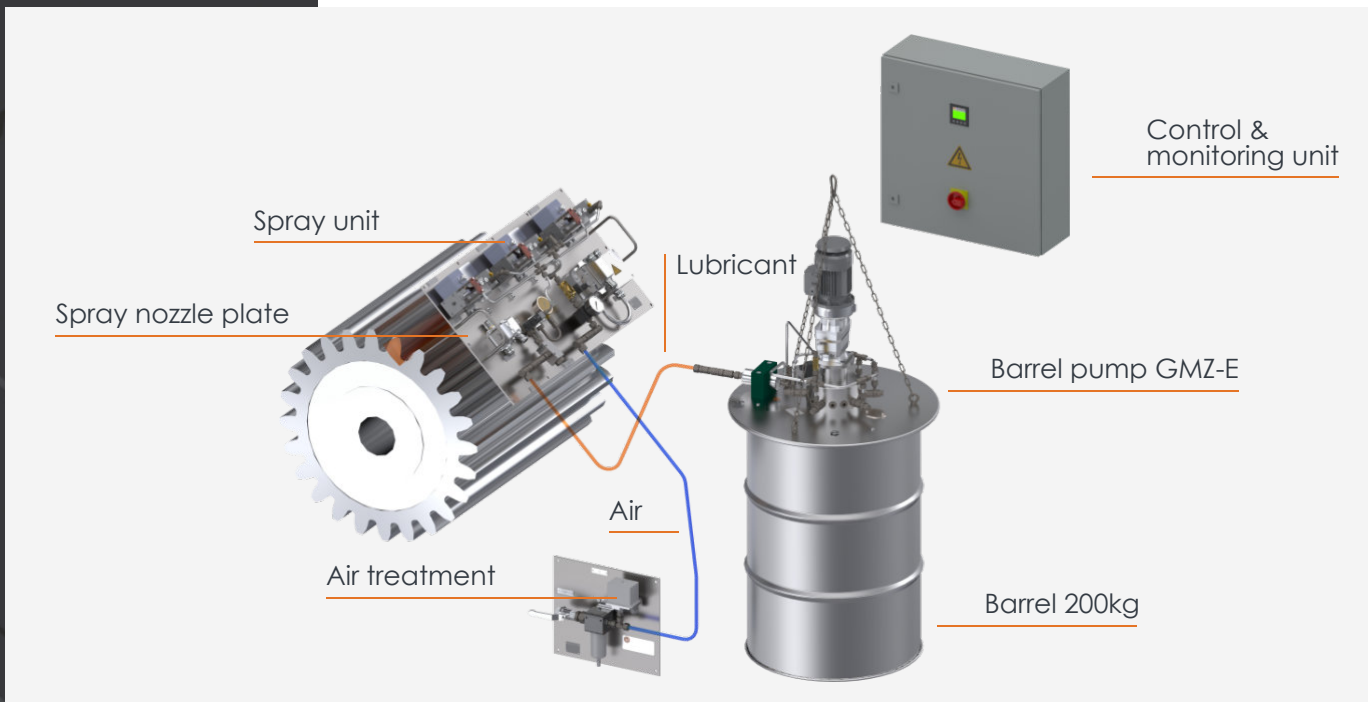
- Extreme conditions such as high temperatures and ATEX-classified areas
- Heavy dust contamination affecting lubrication reliability
- Numerous lubrication points across different machines
- Continuous operation requiring consistent lubricant supply
- High mechanical loads leading to increased wear and maintenance

OUR SOLUTION

GREASE SPRAY LUBRICATION SYSTEMS for open gears at kilns and mills

WOERNER grease spray lubrication systems are individually tailored to site-specific operating conditions and ensure reliable performance – even under extreme temperatures.

- Reliable operation down to -20 °C because of heated nozzles, spray plates, and piping for consistent lubrication
- Redundant spraying systems possible so we have an automatic backup for continuous spraying in case of system failure
- Proven technology based on many years of experience
- Durable design with low maintenance requirements



GREASE LUBRICATION SYSTEMS for vertical mills

The roller bearings of vertical mills are supplied by oil circulation or grease lubrication systems, ensuring reliable and continuous operation. These systems can also lubricate the bearings and seals of the pressure lever.

Centralized grease lubrication units are installed in dust-proof housings, protecting the lubricant from contamination in harsh, dusty environments.



GREASE AND OIL LUBRICATION SYSTEMS for separators

The upper and lower rotor bearings of separators are supplied by WOERNER lubrication units, ensuring reliable operation under demanding conditions.

Due to high dust exposure, the systems are also designed in accordance with the explosion protection directive RL94/9/EC (ATEX).

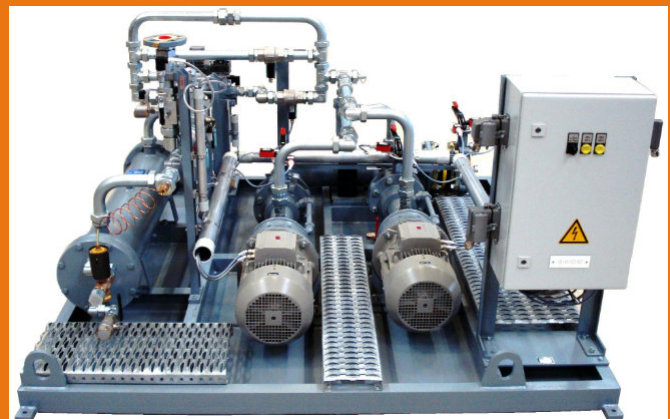
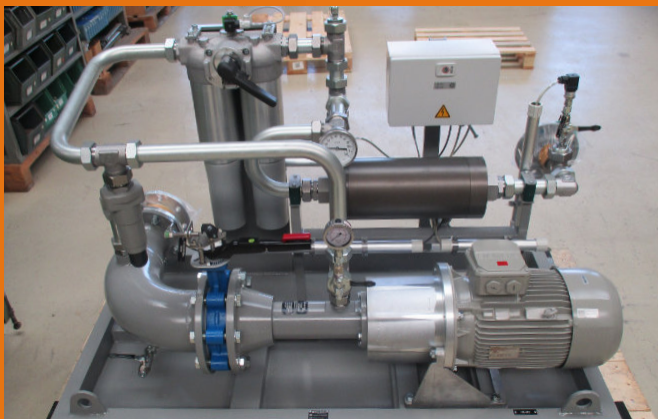
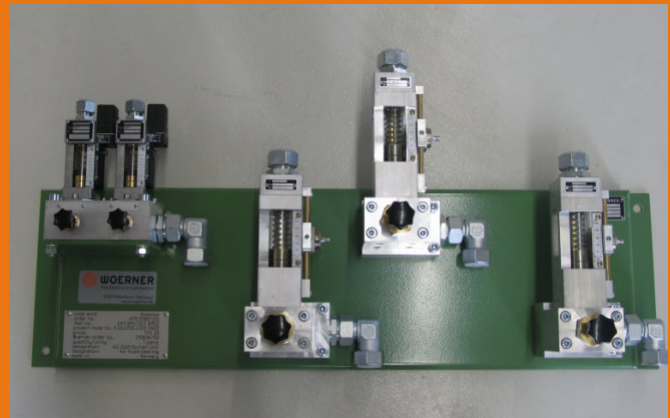
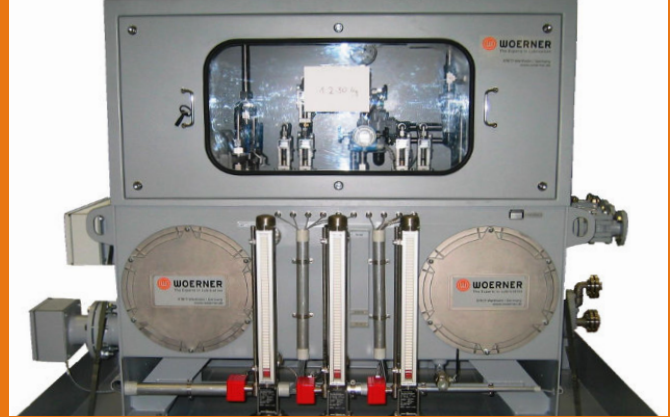
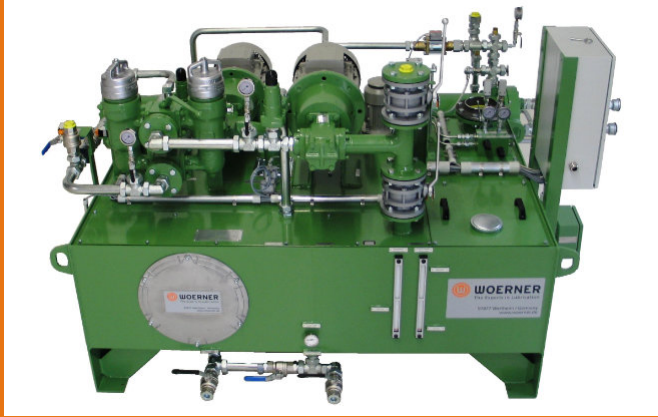


OIL LUBRICATION SYSTEMS

for tube mills

Oil circulation systems for tube mills with fixed and floating bearings supply shoe bearings with lubricating oil and ensure smooth operation. Integrated high-pressure pumps provide the hydrostatic lift of the mill.

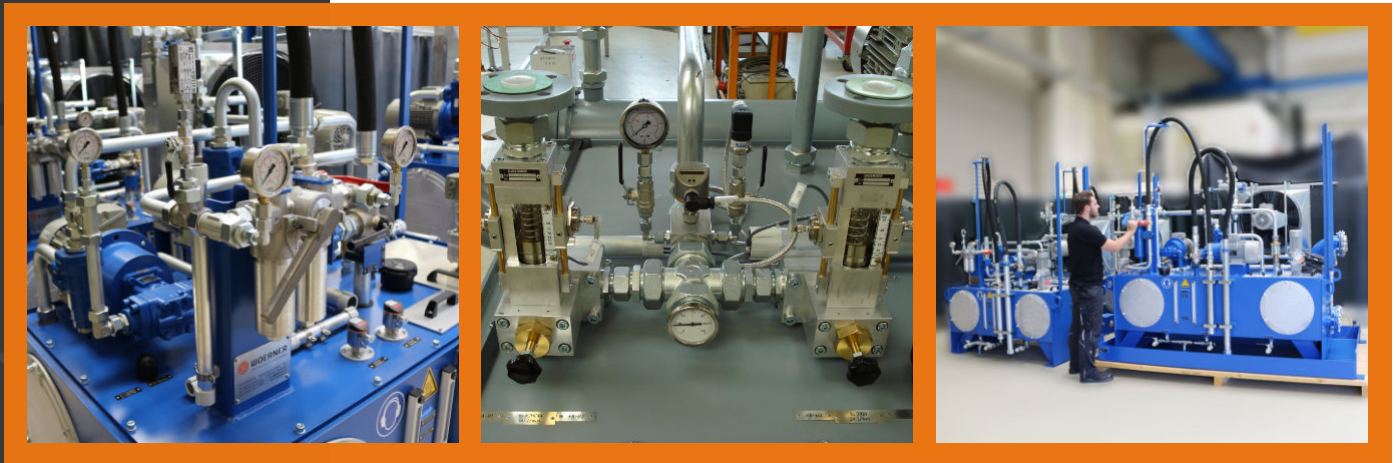
Tube mills with pinion drives can also be equipped with grease spray lubrication systems, similar to those used in kilns.



OIL LUBRICATION SYSTEMS

for roller presses

The four roll bearings of roller presses are supplied either by oil circulation systems or, if required, by centralized grease lubrication systems. Labyrinth seals are also integrated into the lubrication system, ensuring reliable protection and operation.



Beyond grinding and kiln applications, WOERNER lubrication systems are used throughout the entire cement plant – including ship unloaders, stackers and reclaimers, cranes, conveyor systems, chains, lifts, screw conveyor, clinker cooler and clinker crusher.



WOERNER

Lubrication Experts since 1922

Together, we develop the right solution for your requirements – innovative, efficient, and sustainable.

- Call us: **+49 9342 803-0**
- Visit us online: **www.woerner.de**
- Or write to us directly: **info@woerner.de**

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