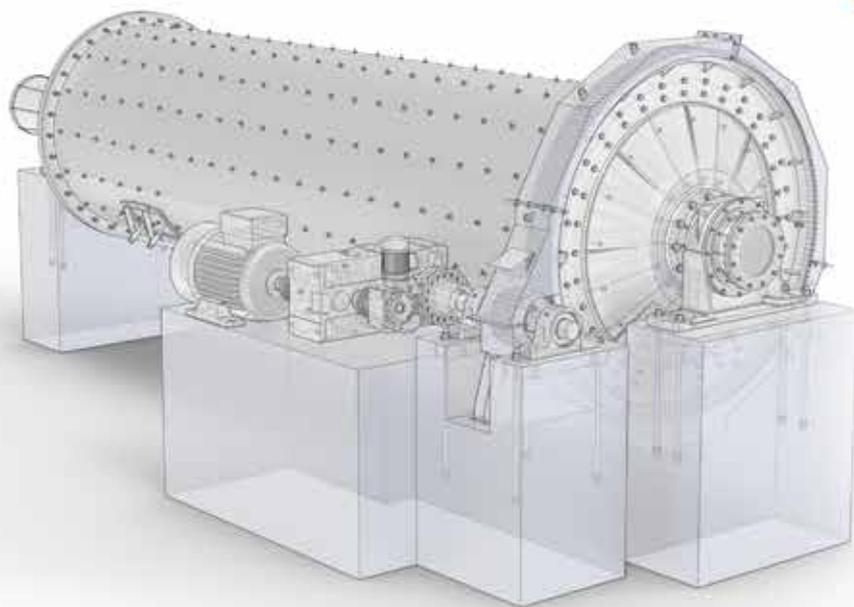


# DropsA

Lubrication systems specialists

## CEMENT PLANTS AND RAW MATERIALS



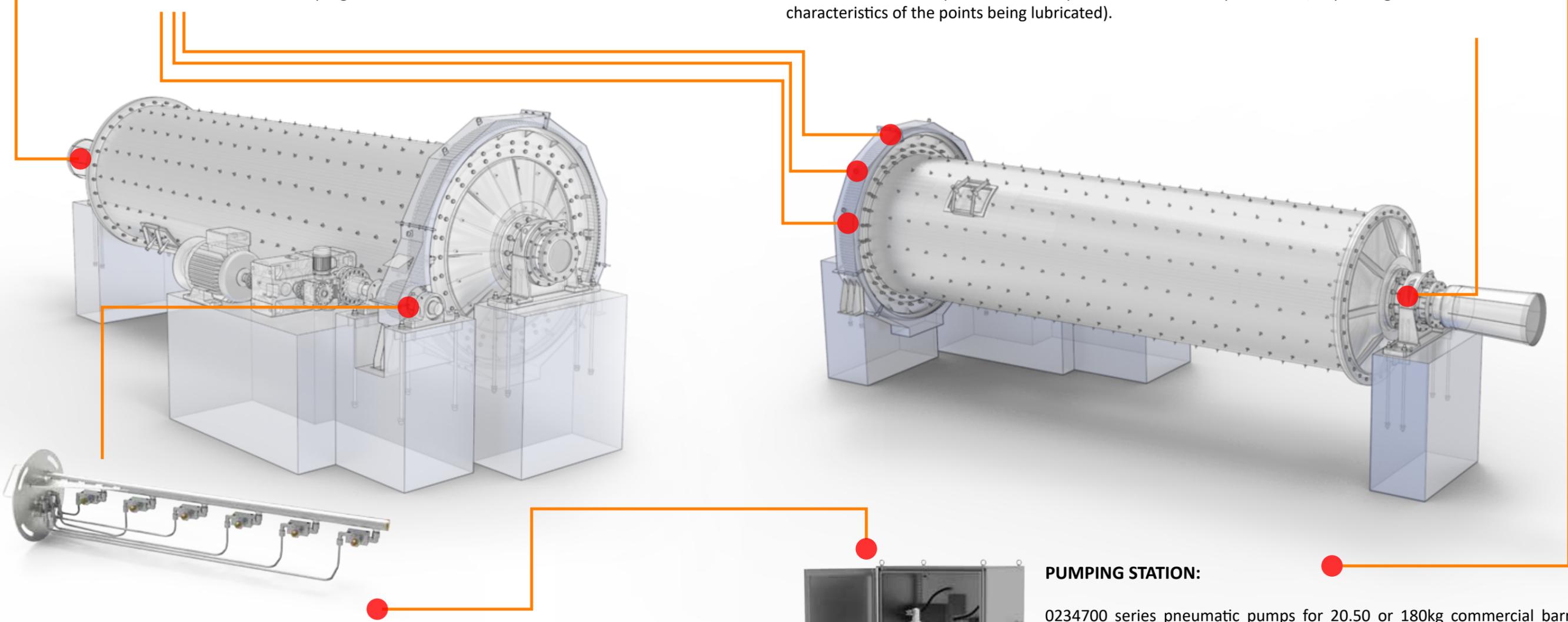


**SATELLITE PANELS**

These are used to branch out the main distribution lines and reach the final points. They are made up of a painted or stainless steel box containing progressive (SMX or SMO series) or dual line (DM, DMM or DMX series) distributors. The box is complete with terminal strip for the connection of ULTRASENSOR sensors that monitor the cycles and the correct operation of the dividers' modular elements, whether progressive or dual line.

**AIR-GREASE or AIR-OIL UNIT for progressive dividers**

For smaller and more economical solutions, DropsA has designed a compact system that anticipates the use of a painted or stainless steel box, in which an air treatment unit, a progressive divider and mixing valves are already installed. This solution allows the user to purchase a simple pump for commercial barrels, install it at the most convenient place in the system and then install a DropsA box and connect the air and grease pipes to it. From here, the piping that will go to the final points (from 2 to 8 for each DropsA box) will already contain the air-grease mixture. The user will be able to choose whether to purchase the DropsA blade or cone-shaped nozzles, depending on the characteristics of the points being lubricated).



**SPRAYER NOZZLES**

These are pre-assembled kits to be installed directly near the main gears of the ball-sag mill. Depending on the diameter of the gear, anywhere from 1 to 8 nozzles are installed in order to best cover the surface of the gear and allow optimum lubrication. To enable dispensing, simply connect the grease and air lines to the nozzles kit.

**PUMPING STATION:**

- 0234700 series pneumatic pumps for 20.50 or 180kg commercial barrels or CANNON series electric pumps for 20.50 or 180kg commercial barrels are usually installed in automated pumping stations made up of:
- A cabinet in painted or stainless steel
- A control panel
- An air treatment panel (to be used for both the pneumatic pumps and for the air to be mixed with the grease of the sprayer nozzles)
- Filters and accessories (such as removable base or heaters for barrels, inverters for double line systems)





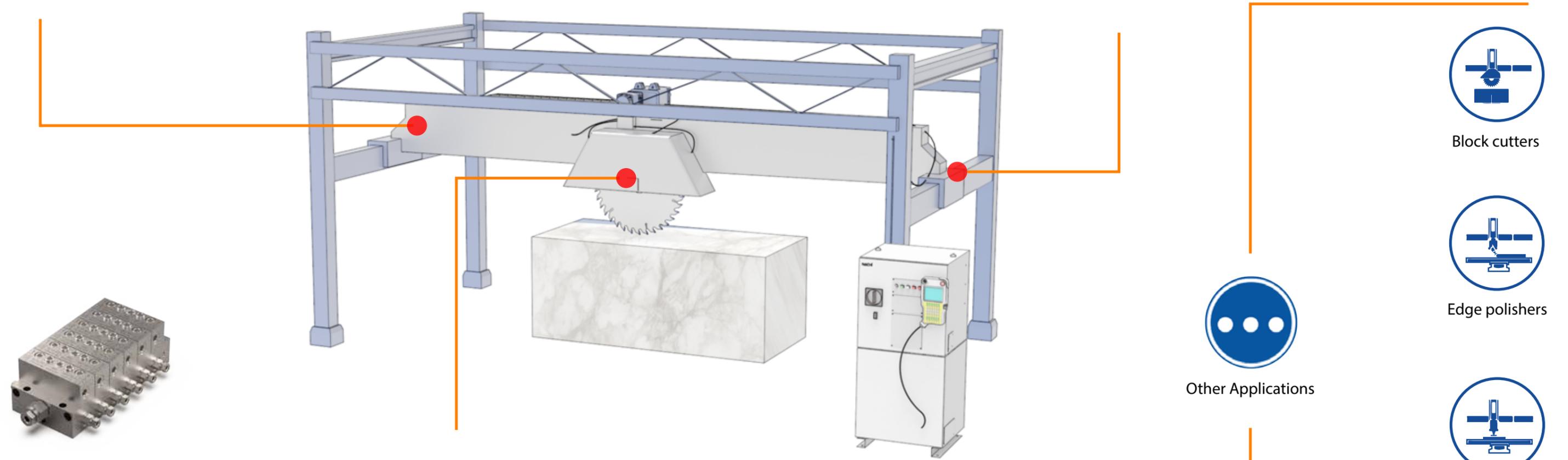
**LOCOPUMP S3**

The Locopump S3 grease is an ideal single acting pneumatic grease pump generally used in single line progressive divider lubrication systems. The transparent reservoir allows the user to clearly see the quantity of grease remaining and a low level grease switch is present to provide remote alarm signals to the machine it is mounted on. Additionally, the reservoir lid can be modified to install a High level or a Dropsa continual level sensing device.



**NP-NPR+:**

Dropsa's nano-Progressive (nP) dividers are the ideal solution for oil and grease lubrication applications that require small and accurately dispensed quantity of lubricant in a compact solid and reliable footprint. The nano-nP uses the progressive movement of pistons to allow precise quantities of lubricant to be accurately dispensed to multiple points. Thanks to a patented RigidLock, novel interlocking mechanism between the elements it has the rigidity of a mono-block divider but the flexibility of a modular segmented unit. Dropsa's nano-Progressive Replaceable (nPr) dividers uses an innovative rail & lock concept to allow the element to be replaced or re-organized without the need to completely dismantle the assembly.



**SMX-SMO:**

The SMO and SMX series dividers are modular progressive dividers. This system is made up of two main parts: the base and the dividing elements. Unlike the single block systems, the modular dividers provide significant advantages: - the system can be easily expanded by adding base modules and elements without having to redesign the system – the modular concept guarantees low costs for the replacement of any faulty components – the modular elements for SMO and SMX offered by DropsA are available with various flow rates, which allows the user to always find the right dosing depending on the components being lubricated, thereby being able to mix all the elements that need to be lubricated within the same divider, without compromises and without having to create separate divider blocks.



Bridge saws



Milling cutters



Contouring machines



Cutting Centres



Block cutters



Edge polishers



Calibrators



Other Applications

Automatic lubrication: optimisation of costs and work times



The use of lubrication systems is even more indispensable for the correct operation of machines when they operate in difficult environmental conditions such as those in cement and raw material processing plants. The installation of an automatic lubrication system allows machine down times to be reduced and allows consumption of the lubricant to be controlled and the life of the bearings, chains and gears to be increased.

Thanks to their many years of experience and a capillary network of branches and resellers all over the world, DropsA provides specific solutions for every need and follows the customer from the definition of the project to the installation to post sales support. The solutions proposed for the cement and raw material processing plants are applicable on all the various types of machinery:



BALL MILLS



SAWING AND CUTTING MACHINES



FINISHING MACHINES



SPECIAL MACHINES

Systems Solutions



TOTAL LOSS LUBRICATION



GREASE LUBRICATION



AIR/OIL LUBRICATION



OIL RECIRCULATION LUBRICATION



MQL NEAR DRY MACHINING LUBRICATION

DropsA

Since 1946, DropsA has been producing systems and components for centralised lubrication, continuously developing new products and patents that have contributed to making the lubrication sector all over the world more innovative and competitive.

DropsA offers a vast range of products capable of maximising the profitability and productivity of your machinery, providing the latest technologies in terms of systems, functionality and components. Thanks to the branches and the specialised distribution channels, DropsA provides prompt responses, support and assistance to customers on a local or global level, guaranteeing the same high quality standards all over the world.



DropsA Production

The production, processing and automated assembly systems that are in the central plant near Milan are equipped with an advanced quality monitoring and product traceability system in order to guarantee both highly efficient processing and product assembly that accurately reflects the technical specifications.

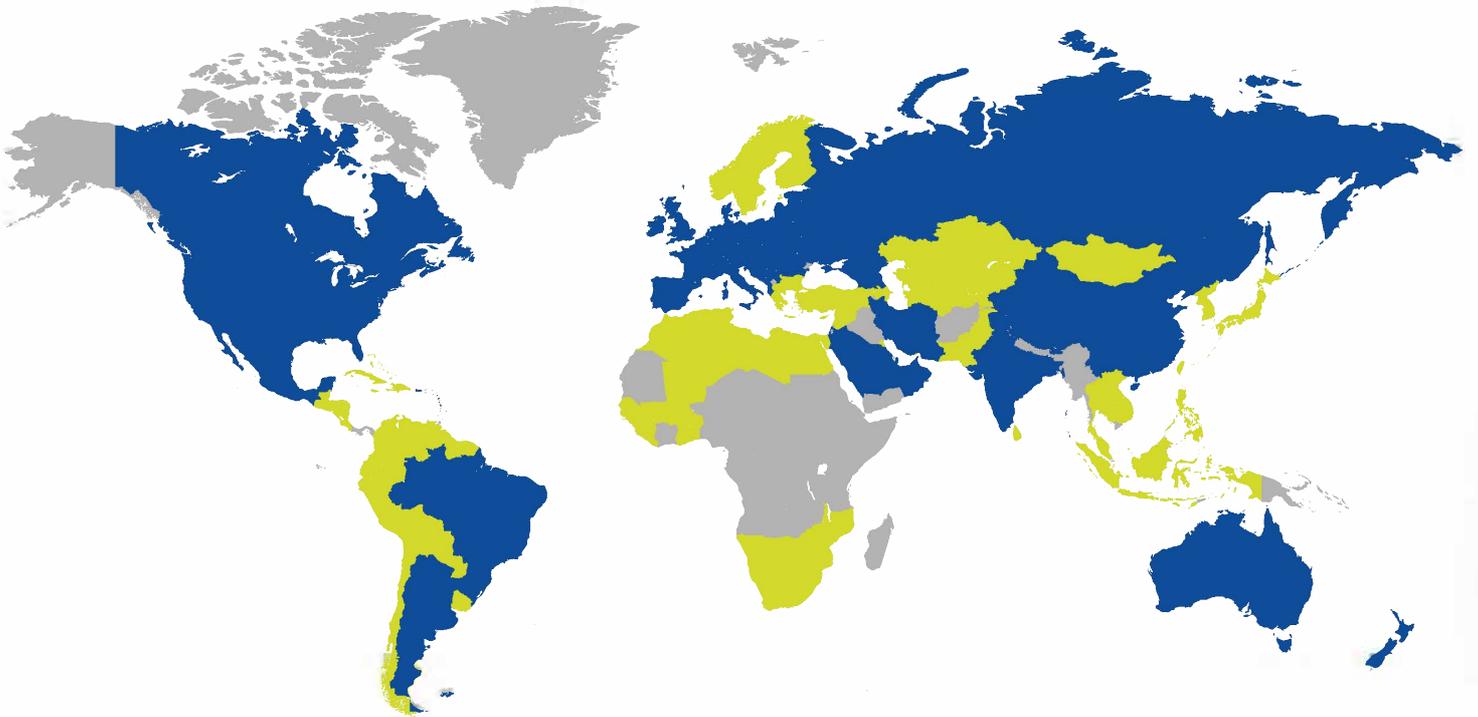
Continuous investments in all of the areas of design, engineering and production of the products ensure a constant increase in the reliability of the products themselves.



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