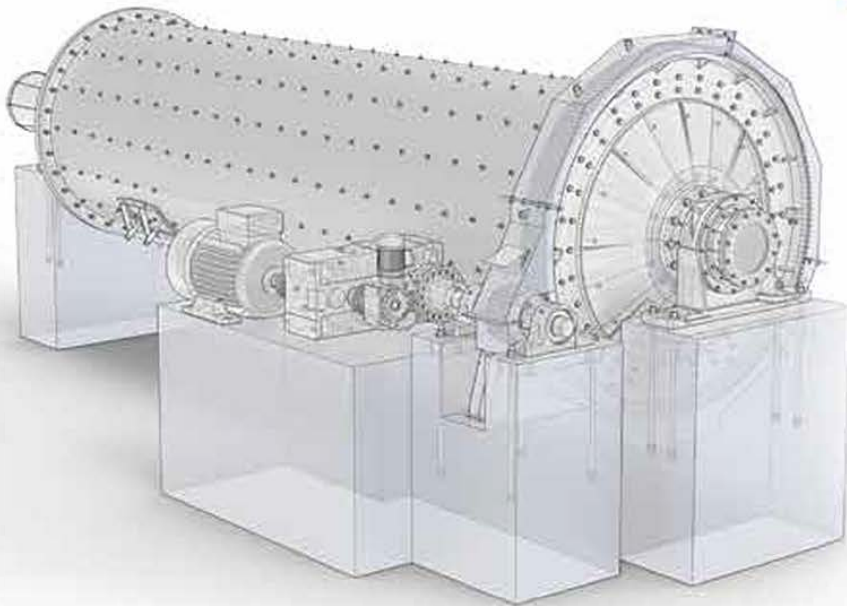


# CEMENT PLANTS AND RAW MATERIALS



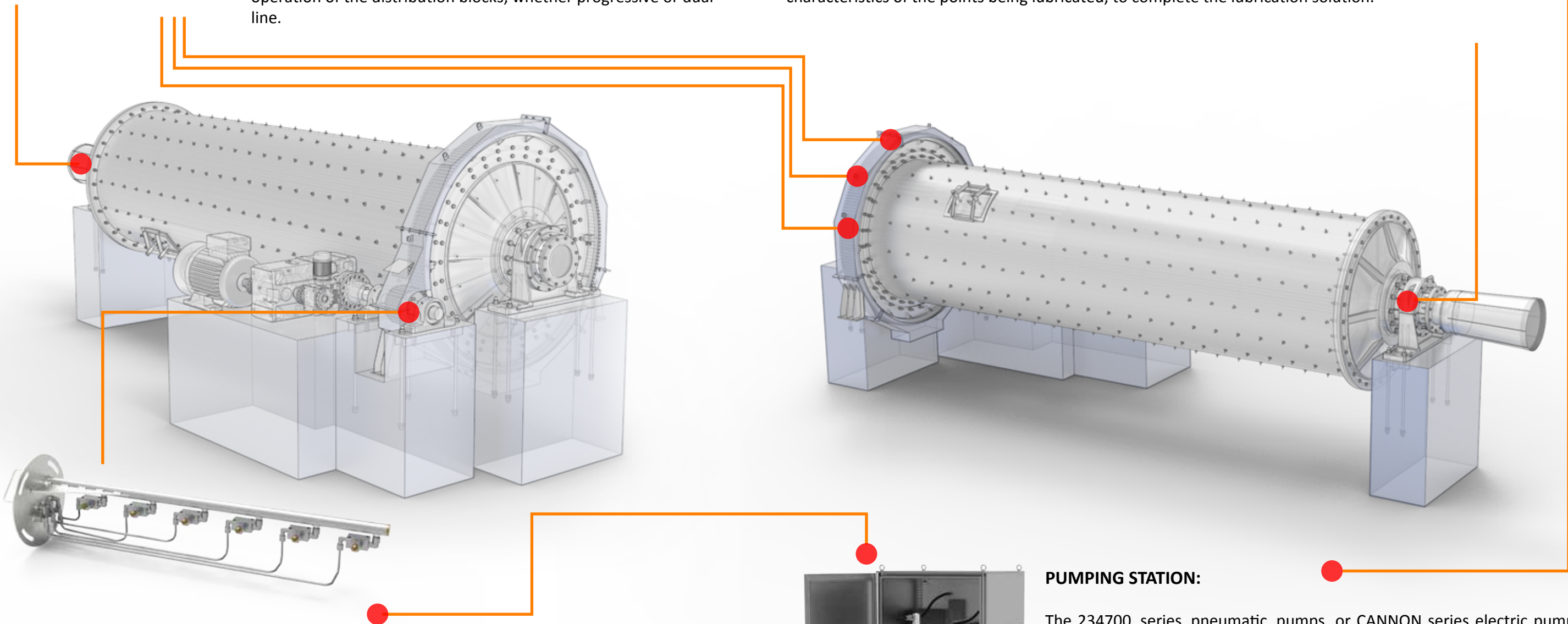


**SATELLITE PANELS**

Utilized to branch out the main distribution lines and effectively reach the end lubrication points. These panels are comprised of a coated, or stainless steel, enclosure containing progressive (SMX or SMO series) or dual line (DM, DMM or DMX series) distributors. The enclosure incorporates a terminal strip for the connection of ULTRASENSOR sensors that monitor the cycle and the proper operation of the distribution blocks, 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 incorporates the use of a coated, or stainless steel enclosure, in which an air treatment unit, a progressive divider block, and mixing valves are utilized. This solution provides a simplistic setup, containing a user-friendly pump for commercial drums and the DropsA enclosure. Once piping connects the two, an air grease mixture (two - eight points) is supplied to the desired lubrication points. Additionally, DropsA offers blade or cone-shaped nozzles, depending on the characteristics of the points being lubricated, to complete the lubrication solution.



**SPRAYER NOZZLES**

Pre-assembled kits installed directly near the main gears of the ball mill. Depending on the diameter of the gear, anywhere from one to eight nozzles can be implemented in order to effectively cover the surface of the gear and allow for optimum lubrication. To enable dispensing, simply connect the grease and air lines to the nozzle kit.



**PUMPING STATION:**

- The 234700 series pneumatic pumps, or CANNON series electric pumps, for 180kg commercial drums are usually installed in automated pumping stations comprised of:
- A cabinet coated 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 for the sprayer nozzles)
  - Filters and accessories (such as removable bases, heaters for barrels, and inverters for dual line systems)



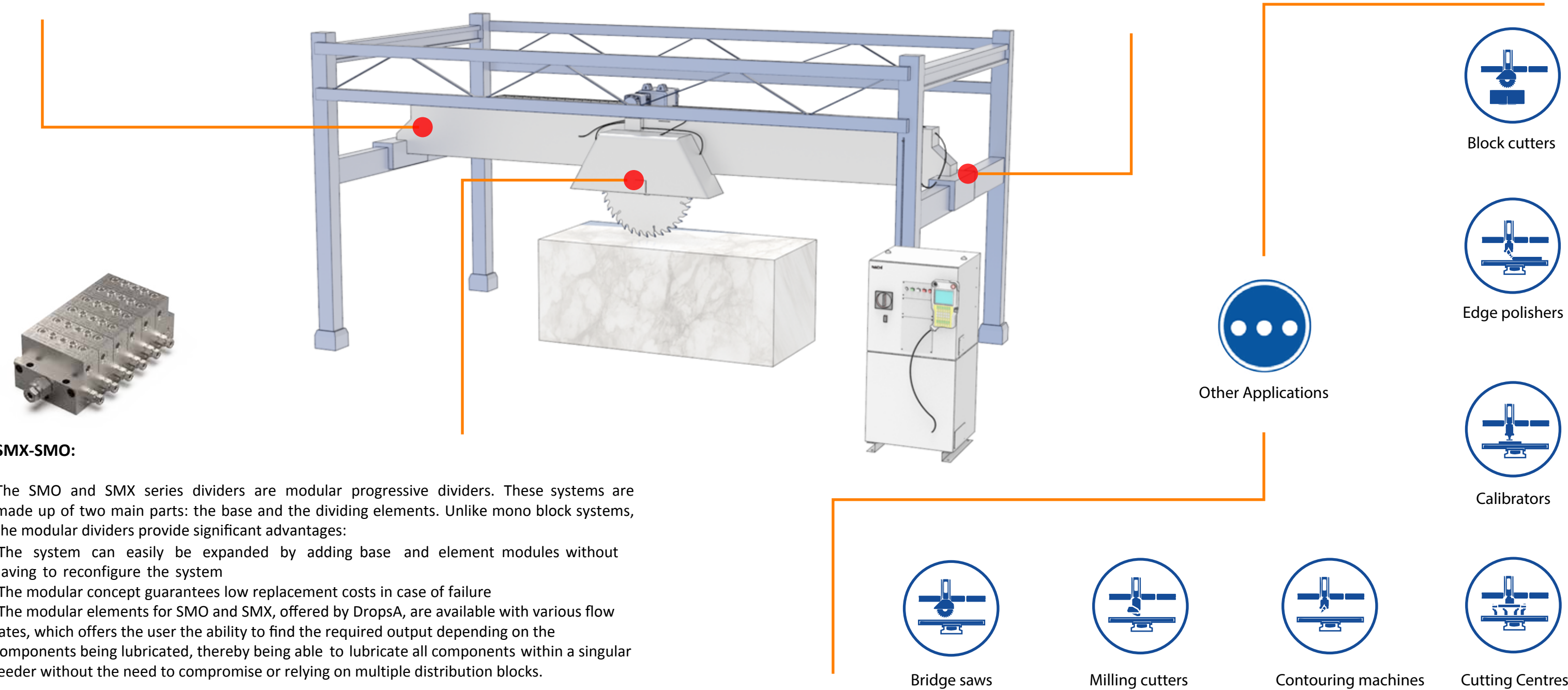
**LOCOPUMP S3**

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 accurate dispensed quantities 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. Due to the patented RigidLock solution, novel inter-locking mechanism between the elements, the nP has the rigidity of a mono-block divider with 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 rearranged without the need to completely dismantle the assembly.





Automatic Lubrication: Optimization of Costs and Reduced Down Time



The use of lubrication systems is essential for machine operation, even more so when the operation functions in heavy duty environmental conditions experienced in the cement industry. The installation of an automatic lubrication system allows for reduced machine downtime, control of lubricant consumption, and the increased life of bearings, chains, and gears. Knowledge from years of experience and a widespread network of offices and dealers worldwide, DropsA provides specific solutions for all lubrication needs, including customer defined projects to installation, and after-sales support. The solutions proposed for the cement sector are applicable on the various machine types:



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 centralized lubrication systems and components, along with 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 maximizing the profitability and productivity of all machinery, providing the latest technologies in terms of systems, functionality, and components. Thanks to the branches and the specialized distribution channels, DropsA provides prompt responses, support, and assistance to customers on a local and global level, guaranteeing consistent high quality standards all over the world.



DropsA Production

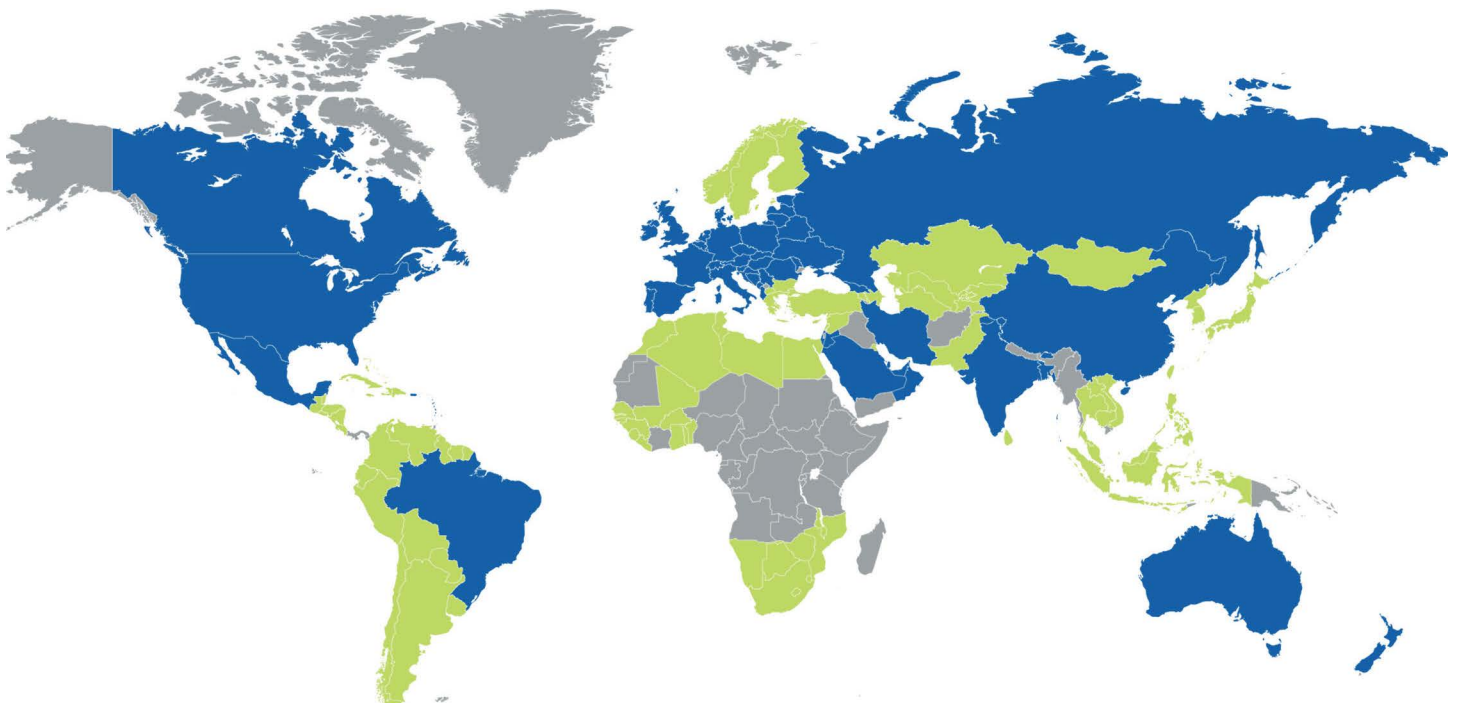
The production, processing, and automated assembly systems utilized in DropsA's central plant, near Milan, are equipped with an advanced quality monitoring, and product traceability system, in order to guarantee both highly efficient processing and product assembly that accurately reflects all technical specifications. Continuous investments in all areas of design, engineering, and production of the products ensure a constant improvement in the reliability of the products themselves.







LUBRICATION SOLUTIONS PROVIDERS



*SERVICING & SUPPORTING*



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