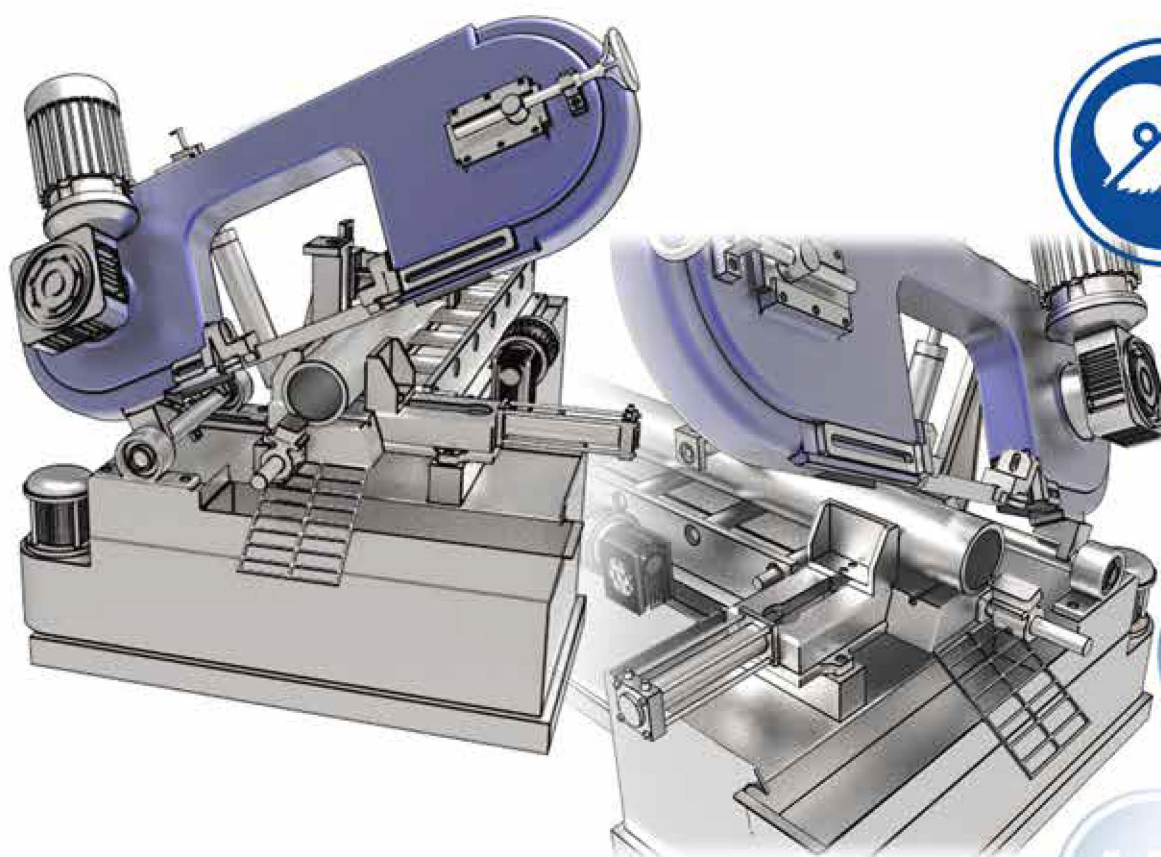


DropsA

LUBRICATION TECHNOLOGY

bielomatik

SAW SOLUTION





MiQueL

Can be utilized on all systems that require a calibrated lubrication solution with function controls. It is possible to combine up to eight elements, interconnected amongst themselves, that can be individually controlled via an integrated solenoid valve. For each single element, it is possible to control air and oil delivery independently or use all the modules in tandem, making the system easy to configure. The system includes a scavenge device that rapidly recoils oil from the delivery line to prevent lubricant drip when powered down, resulting in a clean work environment.



MiQueL EXT - External Pump

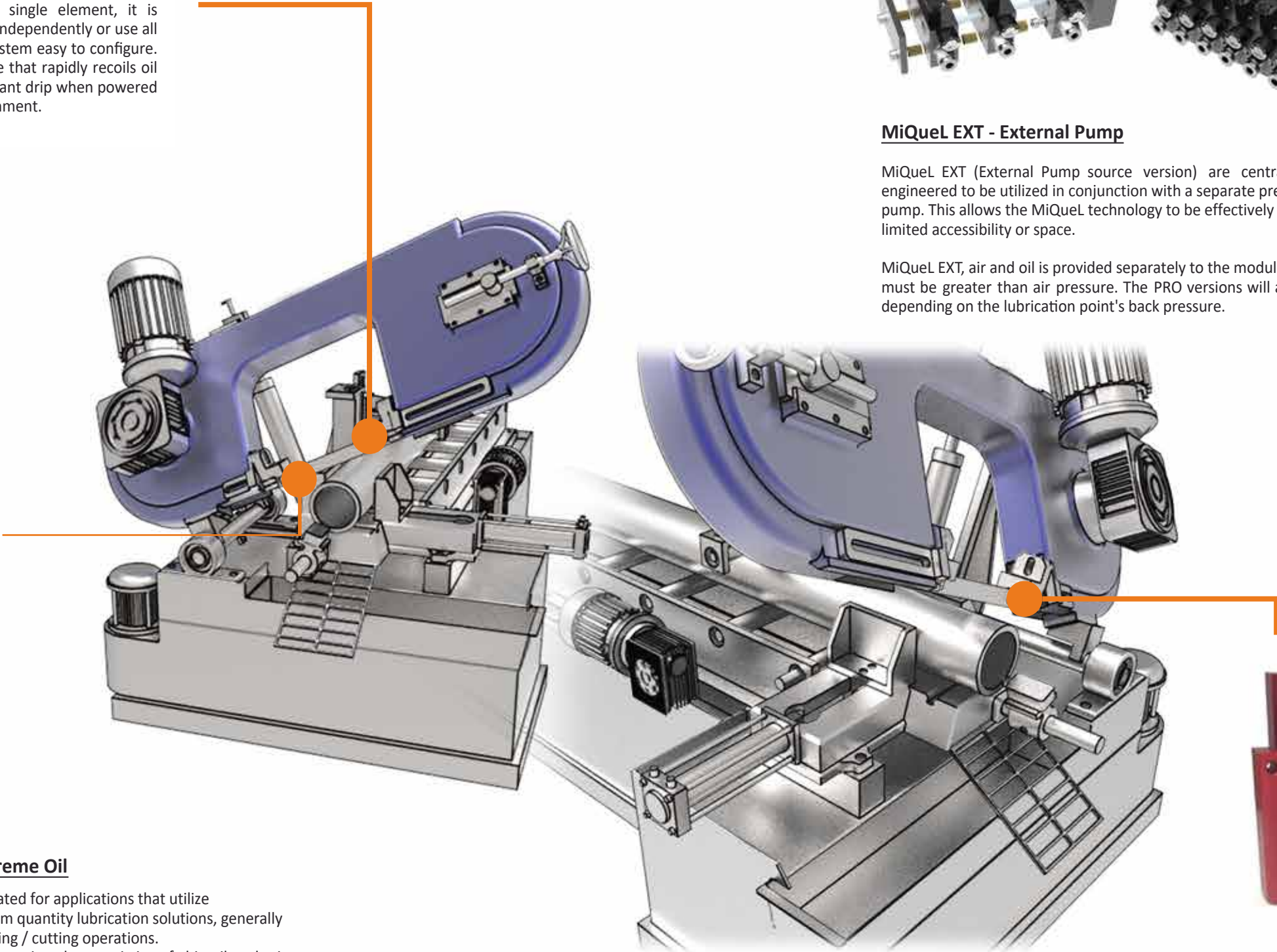
MiQueL EXT (External Pump source version) are centralized minimal lubrication modules engineered to be utilized in conjunction with a separate pressurized reservoir or external lubricant pump. This allows the MiQueL technology to be effectively positioned around an application with limited accessibility or space.

MiQueL EXT, air and oil is provided separately to the module bank. To be effective, oil pressure must be greater than air pressure. The PRO versions will automatically balance oil pressure depending on the lubrication point's back pressure.



Spray Nozzles

The DropsA Spray nozzle provides an effective means to distribute air-oil lubrication to a central point. The pliable, yet hardy, design allows this nozzle to be manipulated to provide lubricant to an optimal spray location.



Bandsaw Nozzles

These special nozzles are specific designed for bandsaw applications that allows for the lubrication of both the working area and the side surface.



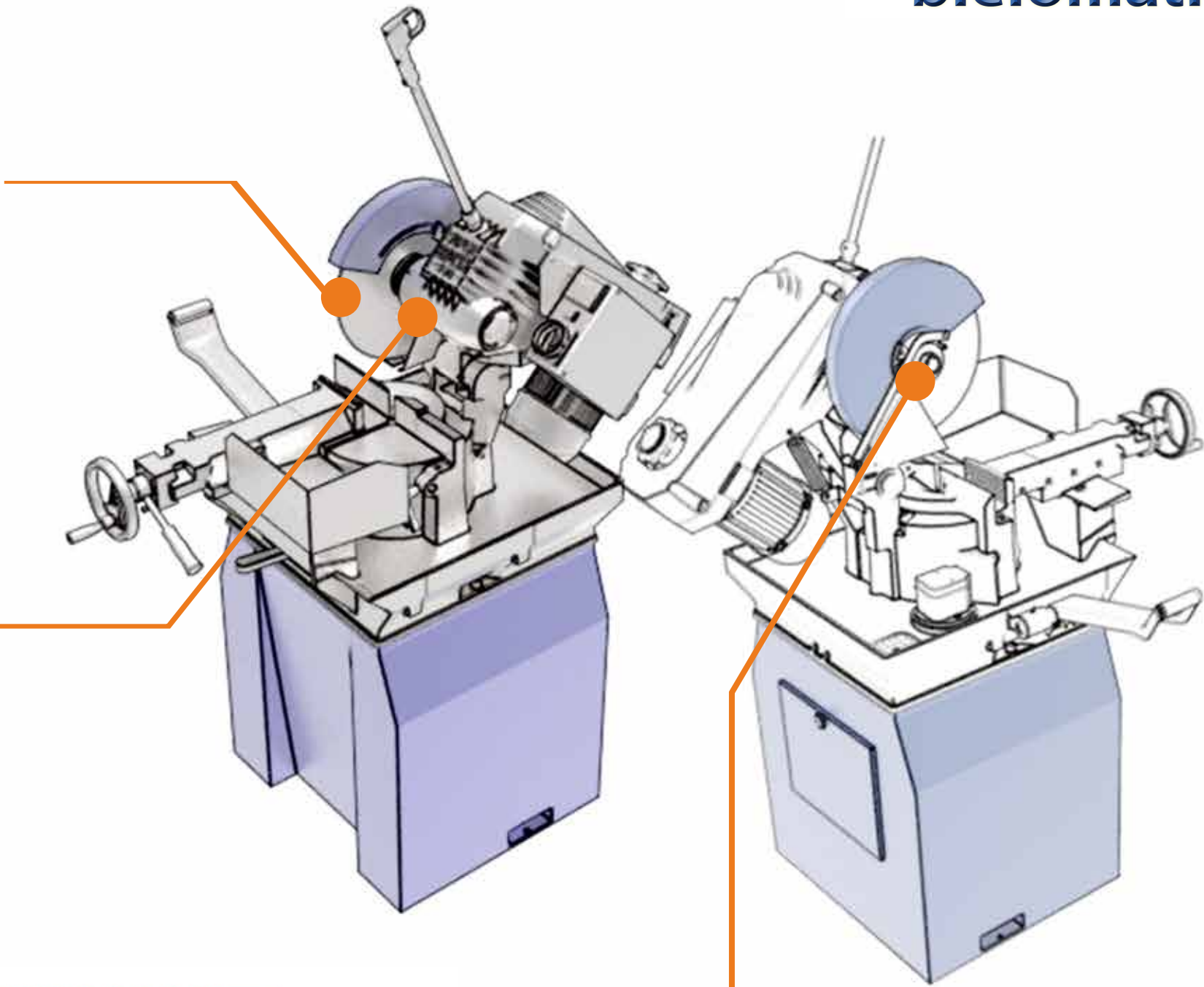
MaXtreme Oil

Formulated for applications that utilize minimum quantity lubrication solutions, generally machining / cutting operations. The innovative characteristics of this oil make it ideal for generating an air-oil mixture, as micro particles, for internal and external tool operations. Its composition contributes to protecting the work environment, reducing waste water, and lowering consumption, contributing to the overall green manufacturing initiative.



MiQueL (1 Lt. / 3 Lt.)

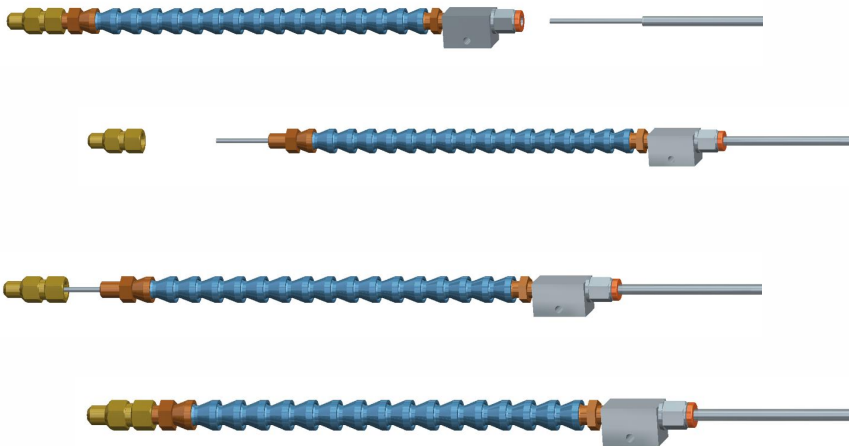
The MiQueL, available in one or three liter(s) units, provides the optimal Minimum Quantity Lubrication solution for saw applications of all sizes. Available with an innovative compensation valve, which retracts oil back to the module upon the end of a lubrication event, therefore preventing the occurrence of excess air-oil lubricant drip. This process creates a clean, safe work environment.



Coaxial Spray Nozzle

The Coaxial Spray Nozzle combines the benefits of a rugged, yet flexible, nozzle with the properties of a coaxial system. In a coaxial air-oil system, the air and oil travel through separate tubes, a 3mm line positioned within a 6mm hose, and mixed at the tip of the nozzle. This process allows for instantaneous air-oil lubrication to be provided to the point of desired lubrication when the MiQueL application is actuated. Additionally, this process produces a highly accurate MQL solution as the required air-oil mixture is produced at the lubrication point in comparison to the outlet of pump application, up stream.

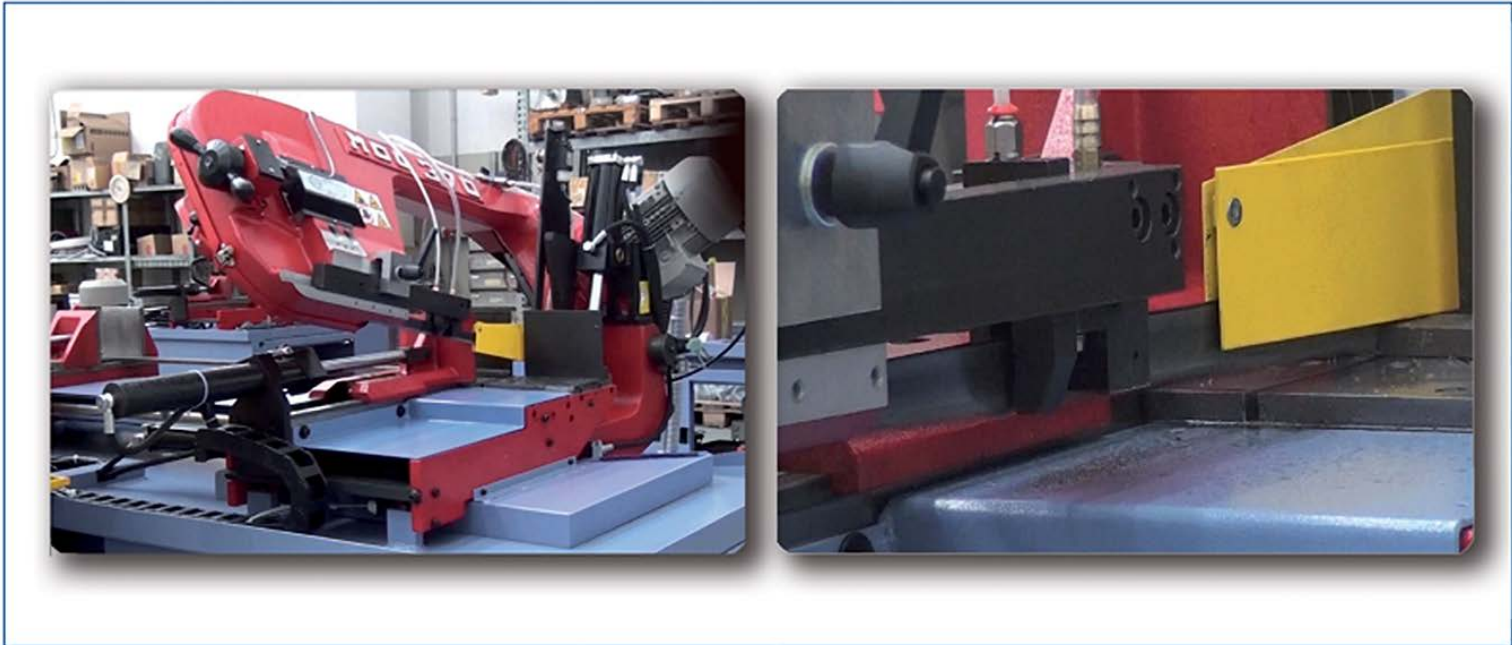
Depicted to the right is the proper instillation of the air and oil lines within a Coaxial Spray Nozzle



Oil in Air Sensor

An optical sensor that detects and monitors oil particles within an air stream of an MQL system. The Oil in Air Sensor provides electronic feedback to ensure a Minimum Quantity Lubrication solution is operating efficiently on critical applications.

Automatic lubrication: optimization of costs and work times



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 machining 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.

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.



Systems Solutions

TOTAL LOSS LUBRICATION

GREASE LUBRICATION

AIR/OIL LUBRICATION

OIL RECIRCULATION LUBRICATION

MTL - NEAR DRY MACHINING LUBRICATION

Bielomatik Schmiertechnik DropsA

Bielomatik has been a renowned manufacturer and supplier of lubrication systems for machine builders since 1946, supplying lubrication applications to the machine tools, paper and wood processing, and textile industries. In April 2020, the lubrication technology division was spun off from bielomatikLeuze GmbH + Co KG and acquired by DropsA, a lubrication technology specialist based in Milan, Italy, also active in the lubrication business since 1946. As of April 2020, the Bielomatik Schmiertechnik GmbH, located in Frickenhausen, is now part of the DropsA Group. By mutually complementing the longstanding expertise and the product portfolio of both organizations, innovative lubrication solutions can be offered in all application areas of central and minimum quantity lubrication technologies. With its headquarters in Italy, and 16 worldwide subsidiaries in Europe, Asia, and the Americas, the DropsA Group has a broad sales and service network with approx. 250 employees worldwide, generating annual sales of more than 50 million euros.



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.





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