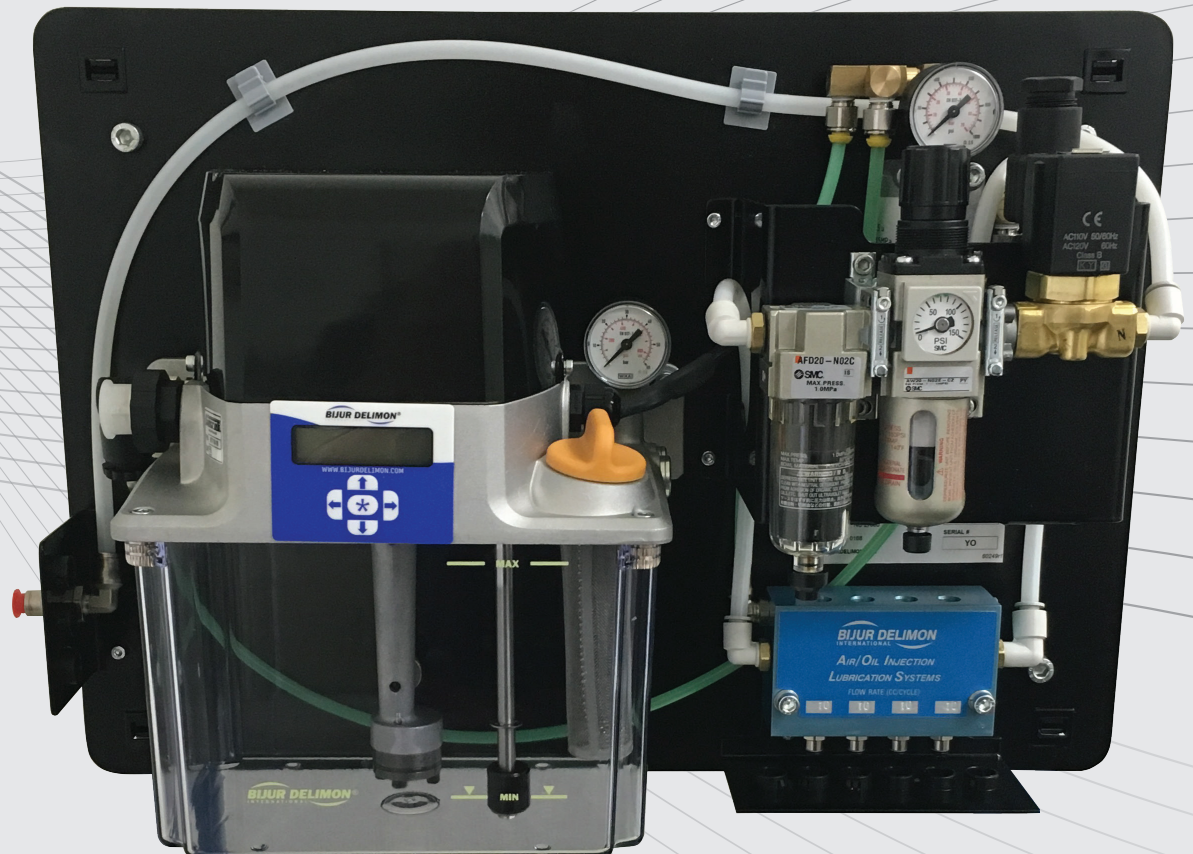
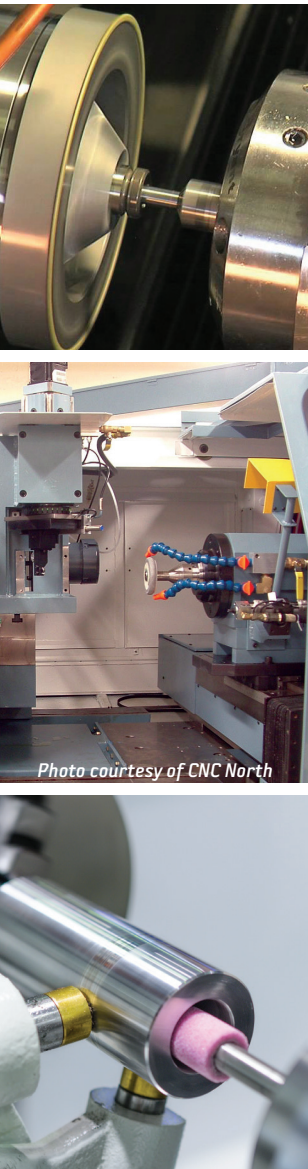


## Improve ID Grinder Performance & Reliability with Air Oil



## FEATURES & BENEFITS

- Improve machining and finish due to precise oil delivery, reduce vibration and noise.
- Reduce oil and air consumption by up to 90% compared to mist oilers.
- Reduce airborne oil mist smoke, contamination of coolant and improve environment.
- Custom panels and enclosures available.

*Adding a Bijur Delimon lubrication system increases equipment life by decreasing wear on vital components. Automatic lubrication systems safely and continuously supply lubricant while your machine is running.*



For further information about this product, please contact us at (+1) 800-631-0168 or [sales@bijurdelimon.com](mailto:sales@bijurdelimon.com)

# PROVEN QUALITY, RELIABILITY AND ACCURACY.

## System Overview

Oil Streak Generating Unit from Bijur Delimon International delivers high-efficiency lubrication and cooling for high-speed spindles and other surfaces requiring accurate oil deliveries. Air/oil lubrication allows for minimal lubricant delivery on a continuous basis, reducing oil consumption and keeping the bearing surface clean and free of contaminants. The unit can be retrofitted to high frequency spindles designed for mist or air/oil injection systems and offer value and features found on more expensive systems.

The advanced design delivers precise amounts of lubricant and eliminates residual drift of oil fog or mist during operation.

The unit utilizes a specially-designed positive displacement injector (PDI) with oil outputs to a close tolerance level down to 0.01cc/cycle. This permits exact oil volumes to be discharged into an air mixing valve. Controlled air and oil is then discharged through clear plastic tubing to critical bearing points.

A small intermittent discharge from injectors flows along the inside tube wall and stretches out along the length of the tube. Air expansion at nozzle tip delivers controlled spay (not mist) to bearing for optimum performance.



*Oil Streak Panel*



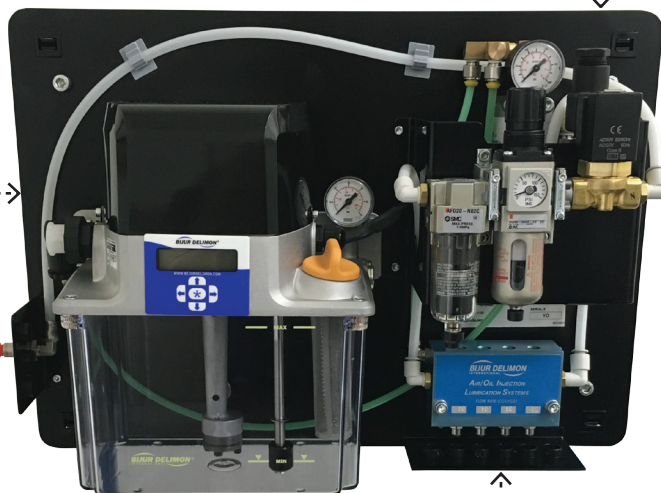
*Optional Enclosure Available*



*Oil Streak Sensor (Optional)*

### SureFire PDI

The SureFire PDI lubricator is a robust, electric motor-driven gear pump, with timer and controller versions available. Pressure and low-level switches are provided to monitor lubricator operation and reservoir oil level.



### Air Preparation System

This assembly comprises a Air Pressure Regulator, Filter (5-micron), Coalescing Filter (0.3-micron), Air Pressure Gauge, and Solenoid Valve. Solenoid Valves available in various voltages (115VAC, 220VAC, 24VDC). Both filters are equipped with auto drain clear plastic bowls.

### Air/Oil Injector Block

Available in one to eight injectors, the air/oil injector block has an individual flow needle valve. Outputs range from 0.01cc to 0.40cc per cycle.