

Custom Designed Precision Lubricating Systems

Try **MAGLUBE**® Let us install a state of the art lubrication system on your tough applications for a free in plant evaluation. Our applicators are specifically designed for each application and set up for a minimal amount of lubricant usage, usually less than 2 ounces per nozzle per shift on most applications. We can eliminate the use of coolants and dumping of hazardous chemicals in your plant by switching you to plant based oils for machining of virtually all materials.



BENEFITS Of MAGLUBE®

- Environmentally Safe
- Bio-Degradable
- Non-Hazardous
- Replaces Coolants
- Virtually Dry Machining
- Eliminates Parts Washing
- No Mist or Fogging
- No Disposable Costs
- Increased Tool Life
- Modular Style applicators
- Backplate Component Mounting
- Application Designed Units

MAGLUBE® PRIMARY APPLICATIONS

- Drilling
- Tapping
- Sawing
- Punching
- Sanding
- Forming
- Reaming
- Spline Rolling
- Hobbing
- Broaching
- Milling

What is Maglube Micro Lubrication

Traditional means of machining lubricants are petroleum or synthetic base products that typically mix 10 to 20 parts with water to flood the work-piece and tool to prevent heat. These traditional machining lubricants are also known as metalworking fluids or flood coolants. While they have little lubricating properties, the concept is to cool the tool and work-piece by means of quenching or carrying the heat away after it has already occurred.

Maglube works to prevent heat from occurring by eliminating friction. Our lubricants are environmentally safe organic oils that are as much as 300 times higher in lubricity than conventional cutting oils. **Maglube** lubricants are distributed directly to the cutting edge of the tool before the cut is made to the work piece with our precision delivery systems. This eliminates the need for quenching due to the lubricating properties of **Maglube**, any heat is displaced through the chip. There are no fumes, no mist in the air and no cleanup of the work piece because 99.9 percent of the lubricant is consumed in the cut.

Maglube uses as little as 1 - 1/2 oz per day in most applications.

Benefits of Lubricants

Benefits of Applicators

- Completely safe for the operator, no mist or fumes to contend with
 - Absolutely no hazardous ingredients to report to EPA
 - Eliminates the need for flood coolants
 - Wet parts are eliminated
 - No rusting of parts or machinery
 - Increased tool life due to reduced friction and heat
 - Better surface finished due to the elimination of chip welding
 - Increased feed rates for faster production
 - Lower amperage draw due to reduced friction of cutting tool
 - Eliminates the need for parts washing
 - Minimal amount of lubricant usage, usually 1 oz. per nozzle per 8 hours
 - One lubricant can usually replace many types of cutting fluids
 - Reduced inventory and storage of cutting fluids
 - Absolutely no disposal of spent oils
 - Can be used on all types of material such as metals, plastic, wood & rubber
 - Any residue can be cleaned with soap and water
- All applicators are manufactured in steel NEMA style boxes
 - Applicators are custom designed for each specific application
 - Nozzle design is tailored to produce the best spray pattern for the operation
 - Multiple control types - Pneumatic, Electric, Digital, and PLC
 - Modular style configuration with easy access to components
 - Remote mounting of applicator and/or reservoir
 - Multiple reservoir capacities; 10 oz., 32 oz., 1/2 gallon, one gallon

STANDARD APPLICATORS



Nozzles	Air Only	Manual Control	Solenoid Control
1 Nozzle	MAG 1-0	MAG 1-3	MAG 1-9
2 Nozzle	MAG 2-0	MAG 2-3	MAG 2-9
3 Nozzle	MAG 3-0	MAG 3-3	MAG 3-9
4 Nozzle	MAG 4-0	MAG 4-3	MAG 4-9
5 Nozzle	MAG 5-0	MAG 5-3	MAG 5-9
6 Nozzle	MAG 6-0	MAG 6-3	MAG 6-9