



One Company | Thousands of Components | Custom Solutions



NEAR DRY MICRO- LUBRICATION SYSTEMS

**FOR METAL CUTTING, MACHINING
& INDUSTRIAL LUBRICATION**

LUBETOOL MICRO – LUBRICATION & COOLING

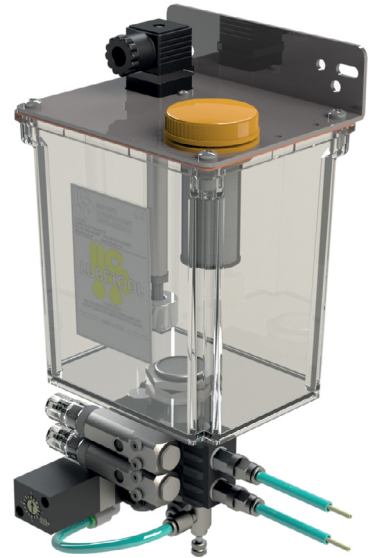
Replace messy flood coolant and water-soluble coolant systems, reduce maintenance, and eliminate clean-up costs while improving tool and lubrication performance with a cleaner, more precise solution: JWF Technologies is proud to offer ILC LUBETOOL near dry micro-lubrication systems.



REDUCED WASTE. IMPROVED LUBRICATION.

BETTER COST-EFFECTIVENESS & SAFETY.

LUBETOOL minimizes post-process residue/dripping and greatly reduces overall lubricant consumption, translating to cost savings and waste reduction. This process also improves operator safety by eliminating hazardous spray mist, atomization, and flood water waste disposal. Machined parts are almost dry, yet still maintain anti-rusting properties with a thin film of bio-degradable oil.



A GREENER, CLEANER SOLUTION

FOR METAL CUTTING, MACHINING & INDUSTRIAL LUBRICATION

LUBETOOL prevents heat build-up and distortion with compressed air and high-lubricity vegetable oil lubricant, resulting in dramatically improved tolerances, surface finishes, and tool life.

HIGH-PERFORMANCE. ECO-FRIENDLY.

NATURAL 77 VEGETABLE OIL – AN ALTERNATIVE TO TRADITIONAL MINERAL OIL LUBRICANT

Traditional mineral oil's inherently irregular structure can generate damaging friction, sludge, and oxidization during high temperature processes. LUBETOOL utilizes Natural 77 vegetable oil lubricant that features high lubricity, anti-welding, and extreme pressure (EP) attributes that reduce smoking and seizing, helping to extend overall tool life and performance. The lubricant is also odorless, non-toxic, and wholly biodegradable, supporting environmental compliance efforts and workplace safety.

The primary advantage of LUBETOOL is the versatile modular design. The system comes standard with features that deliver unique advantages over comparable micro-lubrication systems, as well as several available features that enable LUBETOOL to grow and expand with your specific minimum quantity lubrication (MQL) needs.

STANDARD LUBETOOL FEATURES:

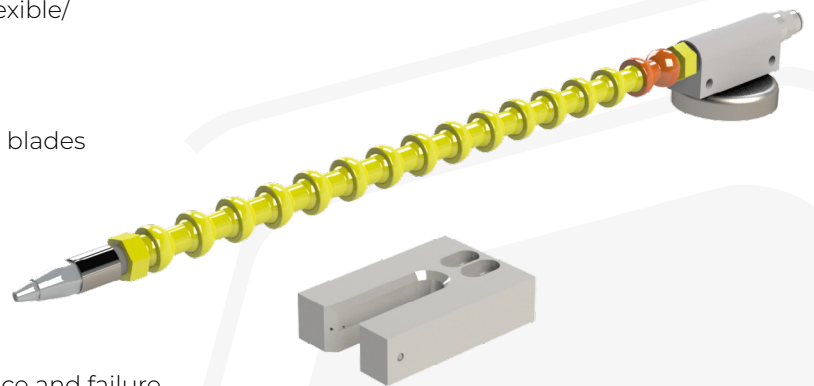
- Reservoir with oil filter
- Air regulator with gauge
- Solenoid valve
- Lube cycle frequency generator
- Injector base and delivery tube
- Adjustable Pneumatic injectors
- Coaxial feed line
- Air drain/supply

AVAILABLE LUBETOOL FEATURES:

- Single pneumatic pump base with 0.5-liter container
- Up to 6 manifold pump units per assembly
- 1.2, 2.2, and 3.6-liter plastic reservoir assemblies
- Adjustable pneumatic pump injectors from 0.12-39ml at 75-90 PSI
- Electrical solenoid valves in 24 VDC, 115 VAC, and 230 VAC
- Loc-Line delivery tube with discharge nozzles (flexible/rigid lines with magnetic mounts)
- Cabinet enclosure
- Special application nozzles for horizontal/vertical blades and circular/vertical saw blades

UNIQUE ADVANTAGES:

- Compact design for easy integration
- Minimal moving parts for reduced maintenance and failure
- Adjustable lubricant output (0mm³ to 41mm³) in exact quantities
- 100% pneumatically controlled positive displacement pumps
- Capable of lubricating up to 16 points per system
- Nozzles may be placed up to 30 meters away from the reservoir
- All pumps and nozzles operate independently for complete control
- Variety of available application nozzles and delivery hose lengths
- Simple cleaning with soap and water (160°F/70°C)

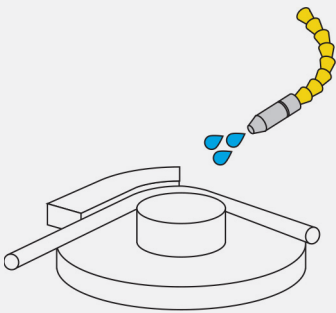


INDUSTRIES & APPLICATIONS

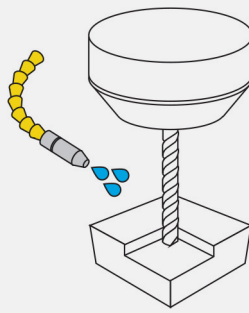
VERSATILE MICRO-LUBRICATION FOR METALWORKING & GENERAL INDUSTRY LUBRICATION

LUBETOOL is a remarkably adaptable micro-lubrication system for use across various metal cutting and forming applications, as well as general industry fluid lubrication applications including:

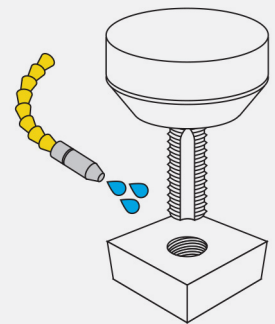
- Milling & Engraving
- Tapping, Drilling, Boring & Broaching
- Stamping, Bending & Roll Forming
- Pipe Bending & Metal Spinning
- Shearing
- Punching
- Circular Saws & Band Saws
- Roller Chains
- Monorail & Bi-Rail Conveyors



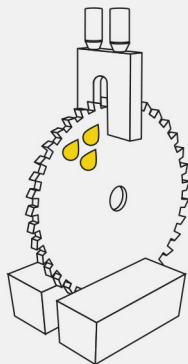
LUBETOOL BENDING



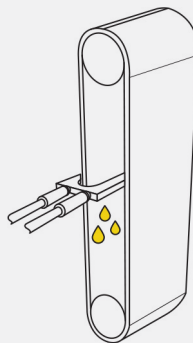
LUBETOOL MILLING



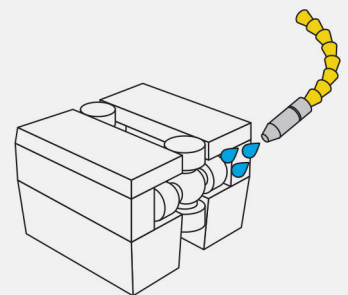
LUBETOOL TAPPING



LUBETOOL CIRCULAR SAW



LUBETOOL BANDSAW



LUBETOOL CONVEYORS

At JWF Technologies, we are committed to developing sustainable manufacturing solutions to achieve cost management, process enhancement, workplace safety, and environmental compliance goals. The benefits of LUBETOOL near dry lubrication within these areas has been realized by our customers across a variety of industries including:



FOOD PROCESSING:

Consumable products are kept cleaner and safer due to not being exposed to the toxicity and microbial risks of traditional “wet” lubrication.



MATERIAL HANDLING:

Packaging racks, conveyors, and roller chains facilitate faster transport with minimal interruption and back-ups. Employees are kept safer by not handling materials potentially coated with hazardous lubricant residue.



MANUFACTURING:

Production and assembly lines run smoother and more efficiently with reduced downtime due to maintenance associated with sludge formation, seizing and thermal cracking.



TOOL & DIE MAKING:

Finer surface finishes are produced due to minimal residue and drippage, while friction and oxidization reduction extends tool life and part efficacy.

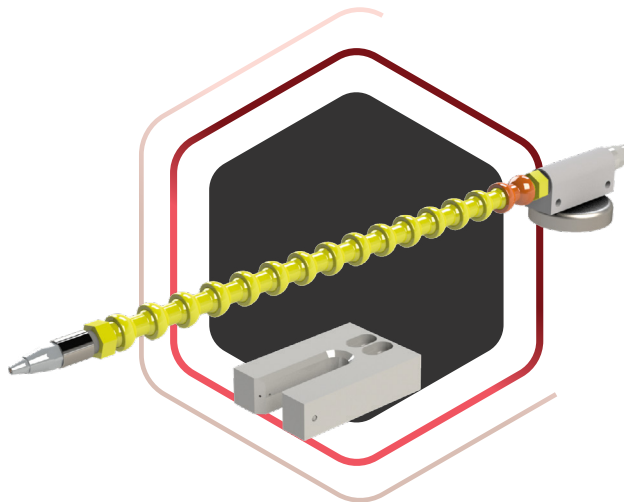
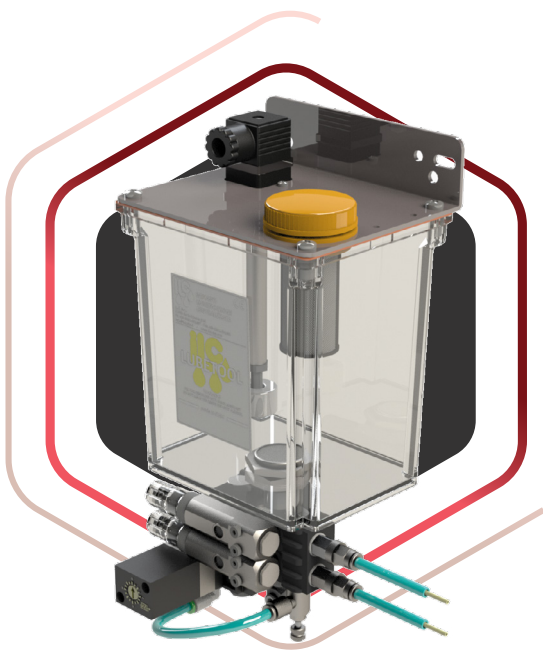


INDUSTRIAL MACHINING:

Cleaner cuts are made during subtractive machining processes due to reduced heat build-up and deformation, resulting in a better finished product and possibly greater feeds and speeds.



ILC Lubrication Systems is a leading, global manufacturer of automated, centralized lubrication equipment and components. Through our partnership, JWF is proud to incorporate their nearly 50 years of expertise in mechanical lubrication into solutions for industrial, automotive, mobile and agricultural applications.



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