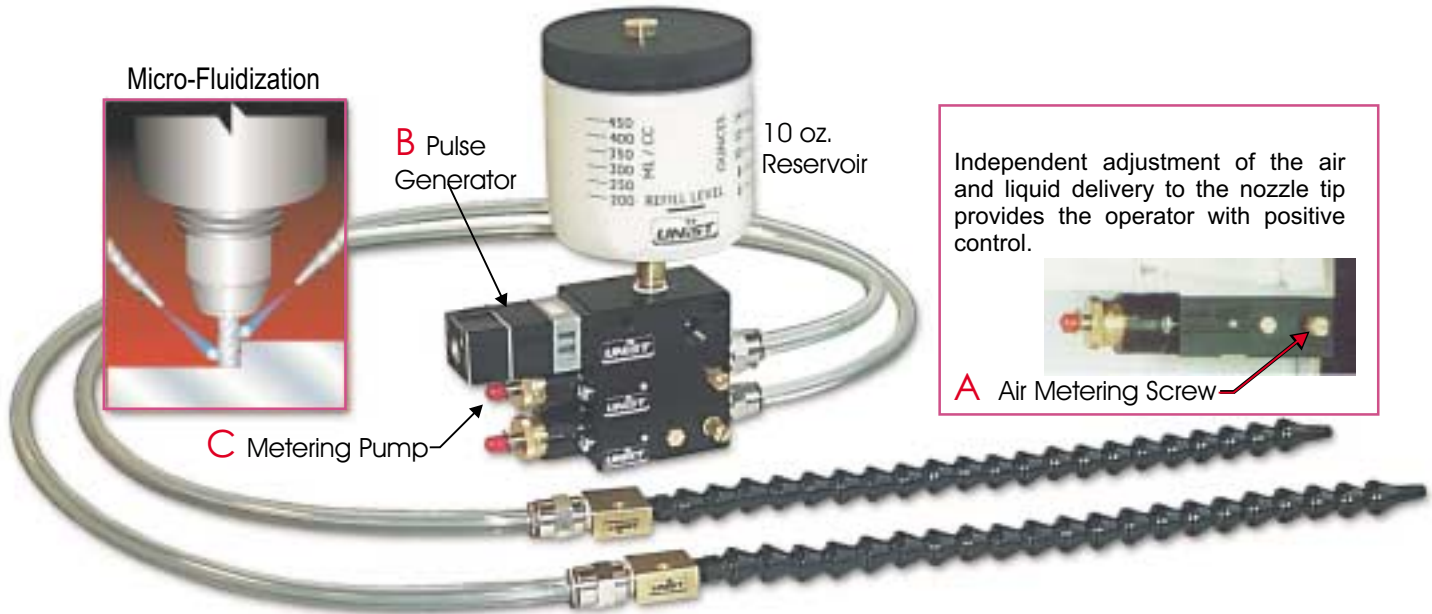




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**XYZ**<sup>TM</sup>  
 AUTOMATION INC.

**UNIST Dual Lubricator for improved cutting operations**



Independent adjustment of the air and liquid delivery to the nozzle tip provides the operator with positive control.

**A** Air Metering Screw



The UNIST system is designed primarily for the application of new generation high efficiency lubricants. UNIST systems dispense lubricants with more precision and reliability than any other dispensing system available. This precise dispensing allows for maximum speed in machining operations. The pulse generator allows for automatic and infinite repeat cycling of the metering pump from a single air source. This repeat cycling allows for continuous output of lubricant controlled by three separate adjustments: An air metering screw (A); a 5 - 200 pulse per minute pulse generator (B); and a .2 - 1.0 cc per stroke liquid metering pump (C).

**Special Features**

- Positive injection lubrication system
- Automatic repeat cycling of metering pumps
- Patented Unist co-axial nozzles
- Full adjustment of air and liquid output
- Unlimited number of outlets

**Pulse Generator Adjustment / Stroke Frequency Controller**

The pulse generator can be adjusted with a regular screwdriver. The settings are in pump cycles per minute. A setting of 8 on the pulse generator means that the pump will stroke 8 times per minute or every 7.5 seconds. In general, best results are obtained by applying less lubricant more often i.e. reduce the output of the pump by turning the stroke length adjustment counterclockwise, then increase the number of pump cycles per minute by increasing the number selected on the pulse generator.

**Maximum Pump Stroke Length Adjustment**

Maximum output = 1 drop per stroke. Turn the knurled stroke length adjustment clockwise to get a longer stroke of the pump and more fluid output. Turn the knurled stroke length adjustment counterclockwise to reduce the length of the stroke and get less fluid output. In general, it is better to apply smaller drops more frequently, than to apply larger drops less frequently.

**Overall Operation**

The master air shut off switch is located on the panel below the sub-console, as long as this switch is on, the misting unit will operate automatically whenever the primary spindle is turning.

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**XYZ Lube**

**XYZ Lube** is a premium quality vegetable based metalcutting lubricant. It is formulated to work with ferrous metals, non-ferrous metals, plastics, composites and wood. **XYZ Lube** is a polar lubricant and is most effective when applied sparingly. If it is applied correctly and the proper amounts are dispensed, **XYZ Lube** will yield the lowest net manufacturing cost of any fluid. Cost savings will be realized through longer tool life, increased productivity, lower shop maintenance costs, clean chips, clean parts and clean machines.



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