

Take The Leap

The Quantum™ system is a leap forward in Minimum Quantity Lubrication (MQL) technology. This state-of-the-art system interfaces directly to machines and their controllers giving you unprecedented control over your MQL application.

Quantum Control

The Quantum™ gives you the ability to accurately and consistently quantify your lubrication settings. You can specify the fluid output down to a fraction of a drop to fine-tune machining processes, accurately measure and control usage, and share settings between multiple machines.

With both RS-232 and discrete input interfaces, the Quantum™ can integrate into almost any type of device. Whether used on a machine with a simple on-off switch or one with a PLC controller, the Quantum™ can be programmed with the precise settings needed for each job you run.



Patents Pending

For engineers and machinists who understand the connection between process control and performance, the Quantum™ system represents a giant leap forward in lubricant delivery.



Quantify your lubrication with digitally controlled output.



Control the Quantum™ with simple inputs or integrate fully through a robust serial interface.



1 Nozzle 2 Functions
Lubricant or Air Blow-off

Dual use nozzle performs as both lubricant output and air blow-off to clear chips



Setup, store, and select multiple jobs with the Quantum's™ simple user interface.



Active monitoring with alerts informs operators when critical issues arise.



Minimum Quantity Lubrication (MQL) replaces the flood coolant commonly used in machining with a minute amount of high-quality lubricant precisely applied to the interface of the cutting tool and work piece. The lubricant minimizes friction and greatly reduces the heat generated by machining. The results are improved surface finish and tool life, increased production rates, and the elimination of the costly mess and disposal associate with flood coolant.

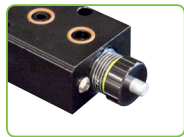
Keeping You Machining With intelligent, precision application technology

With the Quantum™, you can electronically control air and fluid flow, air blow-off, and 6 outputs independently. Our patent pending dual-use nozzle programmatically changes from fluid delivery nozzle to an air blow-off nozzle. This gives optimal MQL performance and chip removal with only a single nozzle needed in the work area. Active monitoring of flow, pressure and fluid level ensures you know when critical situations arise, so you can react before you destroy valuable tools or ruin your work piece.



Highly Configurable

The Quantum™ can easily adapt for any application from simple to complex.



Proven Technology

Unist positive-displacement pumps have years of field-proven performance and deliver accurate, reliable output.



Process Monitoring

Sensors to measure fluid flow, air pressure, and fluid levels ensure performance for critical applications.



Automatic Refilling

The Quantum's™ optional automatic reservoir refill feature keeps you machining without having to stop and fill up a reservoir.



Track Fluid Usage

Digitally controlled output means knowing exactly how much lubricant is dispensed.



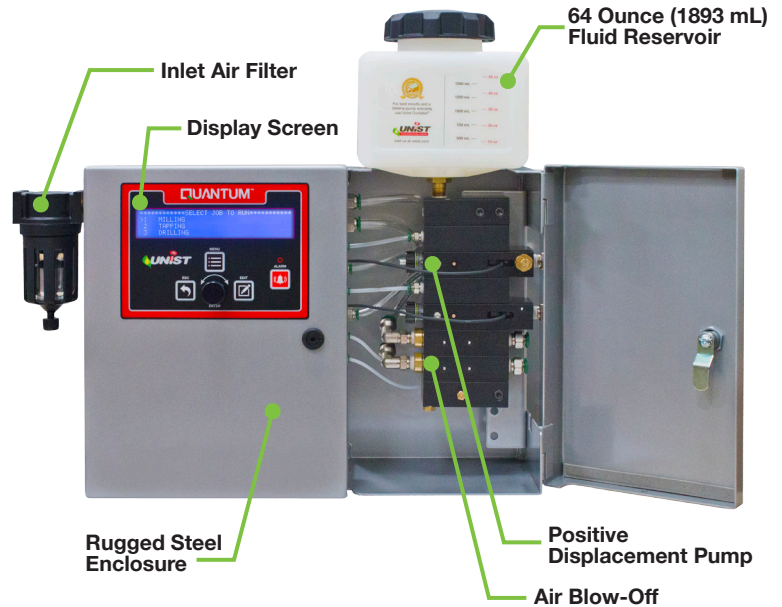
Easy Access

Optional remote user interface allows for alternate control positioning.



Easy Setup & Adjustment

The Quantum™ features an intuitive user interface featuring minimal buttons and a simple rotary knob/button for quick and easy menu navigation.



LIFETIME PUMP WARRANTY

Your Quantum's™ pump is guaranteed for life when used exclusively with Unist Coolube® Lubricant!



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