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 patented dual-use nozzle programatically 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.

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.

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.

Rugged Steel Enclosure
64 Ounce (1893 mL) Fluid Reservoir
Display Screen
Inlet Air Filter
Positive Displacement Pump
Air Blow-Off

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

NEED MORE INFORMATION?
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LIFETIME PUMP WARRANTY