

Unparalleled precision

The Infinity™ sets a new standard for performance in dual-channel, through-spindle Minimum Quantity Lubrication (MQL) systems. Specifically designed for high-production through-spindle operations, it consistently, reliably, and accurately delivers MQL fluids through the spindle over a wide range of flow rates.

Infinite control

The Infinity™ features a double-acting positive-displacement pump with a control algorithm that delivers accuracy and repeatability, even at very low flow rates. This patent-pending design delivers truly continuous output from 5-500 mL/hr. The positive-displacement pump is not sensitive to fluid viscosity or temperature. This design eliminates the need for calibrations, fluid heaters, and complex parts often used on competitors' systems.

The Infinity™ gives you direct, digital control of air and fluid flow rates. This provides a nearly unlimited number of settings and allows the Infinity™ to handle any through-spindle MQL operation. The Infinity's™ precision and repeatability make lubrication-focused process improvement simple and effective. Its reliability makes it a shop favorite.

When integrated with the machine controller at the PLC level, the Infinity™ allows complete and seamless control from the operator interface. It also has a control interface compatible with other dual-channel, through-spindle MQL systems. Alternatively, the touch screen interface on the Infinity™ gives operators an easy and intuitive interface if a stand-alone solution is preferred.



Patents pending

- Color touch screen
- Up to three MQL outputs
- Active monitoring for optimal performance
- Continuous-flow positive-displacement pump



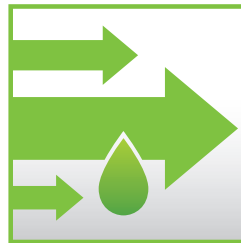
(optional spindle kit)



Digitally-controlled output tracks fluid usage



Integrates with the controller on your machine



Consistent output at all flow rates



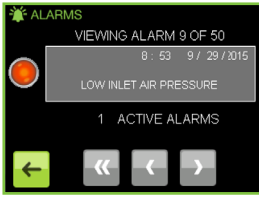
Nearly unlimited programmable MQL rates



Active monitoring to ensure optimal performance

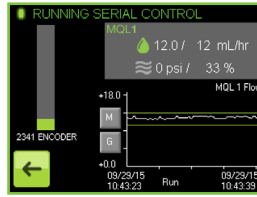


For best results, use Unist Coolube® in your Infinity™ system. Coolube® lubricants are 100% natural, biodegradable, and derived from renewable vegetable products. They are specifically formulated for superior MQL performance and contain no VOC's, chlorine, or silicone. Coolube® lubricants will not irritate machinists' skin or stain parts, and will never oxidize or leave a sticky residue.



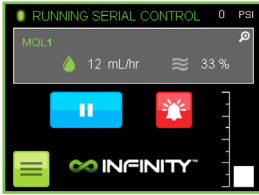
Active monitoring

Active process monitoring ensures optimal performance and an alarm history log makes troubleshooting simple



Continuous output

The patent-pending continuous-flow pump delivers accuracy and repeatability, even at very low flow rates. The pump eliminates calibrations, heaters, and other complex parts often used on competitors' systems



Unlimited control

Directly set the output flow rates. Nearly unlimited MQL output settings provide precise control to optimize your operation



Easy integration

Integrate the Infinity™ with your machine at the PLC level, or use its touch screen interface in stand-alone mode. Any way you choose to use it, the Infinity™ makes MQL control easy and intuitive



The Infinity's™ support for up to three outputs makes it the best choice in through-spindle lubrication for machines with:

- Multiple spindles
- Spindles and turrets
- The need for external MQL nozzles

Easy setup & adjustment

The Infinity™ system features a touch screen interface for quick and easy menu navigation.



System specifications

MQL outputs:	3
Unist Spindle Kit available:	yes
Fluid delivery approach:	continuous-flow positive-displacement pump
Air pressure sensor:	yes
Programmable MQL rates:	nearly unlimited

Reservoir size:	4.5 gal. (17 L)
Pump output:	5 - 500 mL/hr. per pump
Low fluid level sensor:	yes
Fluid flow sensor:	sensing with measurement down to 1 mL/hr.
Dimensions:	H - 45.20" (1148 mm) W - 22.60" (574 mm) D - 11.40" (290 mm)

**NEED MORE
INFORMATION?**

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