

Micro-Drop Coolant System

This coolant system is ideal for use with the Techno vacuum table. This unit's microdispenser applies a very small amount of high-performance vegetable-based lubricant to the cutting tool. It does this by atomizing the lubricant in a high-velocity air stream, which delivers the lubricant to the cutting tool. The result is higher material removal rates, improved finish, tighter tolerances and increased productivity.

SPECIFICATIONS	
Fluid Viscosity Range	50-200 SUS
Liquid Flowrate Range	2-16 drops/min
Inlet Pressure Range	60-125 PSI
Recommended Filtration	40 Micron
Air Consumption	1.7 cubic ft/min @ 80 PSI
Reservoir Capacity	16 oz



Mist Coolant System

This coolant system is ideal for all Techno machines equipped without a vacuum table. This misting unit provides a steady stream of mist lubricant that immediately cools and lubricates the cutter.

SPECIFICATIONS	
Inlet Pressure Range	60-125 PSI
Air Consumption	0.3 cubic ft/min @ 90 PSI
Reservoir Capacity	2 gallons



Vortex Tube

Cold Air Guns are powered by a Vortex tube – a unique device that creates a Vortex from compressed air and separates it into hot and cold airstreams. Here's how it works. The vortex tube's cylindrical generator causes the input compressed air to rotate reaching speeds up to 1,000,000 rpm as it is forced down the inner wall of the hot – or longer end of the vortex tube. At the end of the hot tube, a small portion of this air exits through a needle valve as hot air exhaust. The remaining air is forced back through the center of the incoming air stream at a slower speed. The heat in the slower moving air is transferred to the faster moving incoming air. This super-cooled air flows through the center of the generator and exits through the air exhaust port.

SPECIFICATIONS	
Powered By	Filtered factory air (70-100 PSIG/4.8-6.9 bar) Consumes 15 SCFM (425 SLPM)
Air Consumption	0.3 cubic ft/min @ 90 PSI

