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NEW DIT PRODUCT INTRODUCTION



The DIT HDP* Coolant Nozzle System for precision grinding or machining is designed to reduce costs and increase productivity

“Instant Improvement”

BENEFITS

Reduce:

- Cycle time
- Wheel loading
- Wheel truing
- Captured air by 20% or more
- Heat in grinding zone
- Wheel dressing
- Wear on the wheel
- Heat and metal micro-fracturing of the workpiece
- Coolant turbulence

Increase:

- The coolant pressure(psi) at the nozzle
- The distance the nozzle is placed from the wheel

The DIT HDP* Coolant Nozzle System was designed to give you a better coolant nozzle line. It delivers a strong, cohesive jet of coolant to the grinding or machining area. It is designed to be flexible for setup and be tightened to stay rigid. And, it is designed to reduce costs and increase productivity.

The line is made of solid brass. As designed, a single hex line will hold its geometry at 200 psi. The links swivel up to 30 degrees each way, giving the flexibility needed for almost all setups. Adding or removing a link takes less than 20 seconds.

*Higher Directed Pressure

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Hex line



Links can be added or removed easily to create longer or shorter coolant lines.

Knurled line



A knurled tightening system is used on the smaller of the two line sizes. The knurled system allows for hand tightening with no loss to line geometry. No wrenches or tools are necessary.

The line uses a series of links. It is made out of solid brass. Links can be added or removed easily to create longer or shorter coolant lines. Each link has two swivel joints. When the line is first installed, the operator can set the desired pressure on the swivel joints. Then, the line can be easily moved into position by hand. The line is available with either a round swivel nozzle, or a flat swivel nozzle. Both coolant jets created by the nozzle use coherent jet fluid principles used in **fire hose nozzle technology**. This keeps the coolant together reducing the amount of air brought into the machining or grinding zone. Standard NPT and BSP manifold fittings are used to thread the lines into a manifold.

Tests performed on popular CNC tool and cutter grinders resulted in cycle time reductions of twenty-five to fifty five percent on applications using diamond and CBN wheels. Used in machining, our nozzles reduce double cutting of chips while at the same time allows for faster cycle times. Tool life will go up while costs to manufacture go down.

*Higher Directed Pressure



The DIT HDP* Coolant Nozzle System is best used in an enclosed CNC. The amount of coolant pressure created by the nozzle puts more coolant into the machining and grinding zones. As a result more coolant is usually displaced as it hits the tool or wheel. This does not usually lend itself to use on manual machines that are open to an operator. The lines can be used with the manifolds supplied by the manufacturer, or with a coolant manifold designed to put the lines where they need to be. **Email or call us today to learn more about the DIT HDP* Coolant Nozzle System.**

After 55 Plus Years, "We Know How and Can Do"



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Solutions in Abrasive Products & Systems for 55 plus Years

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