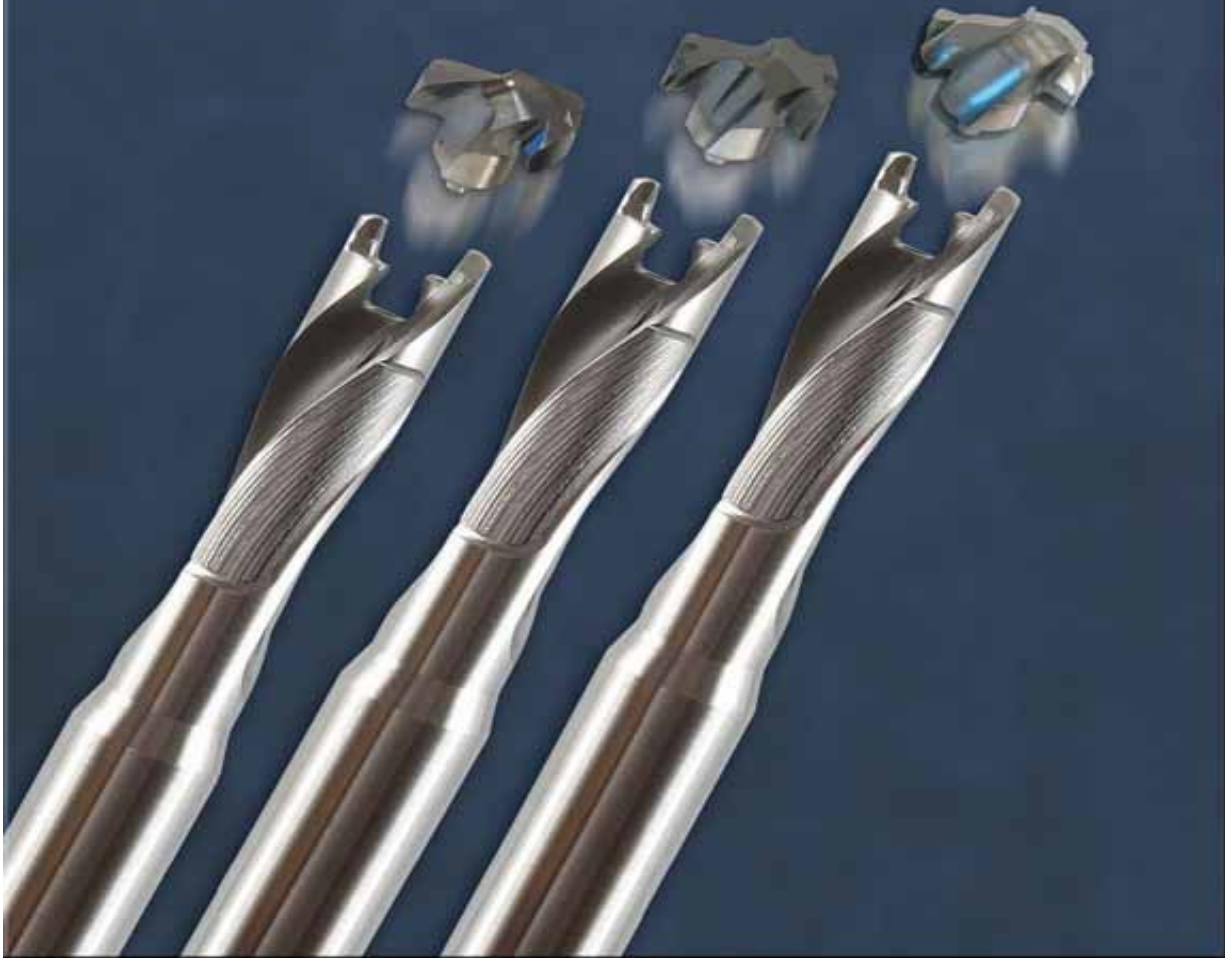


Unison Corporation

FEATURED IN JULY EDITION OF CUTTING TOOL ENGINEERING

CUTTING TOOL ENGINEERING



Designers and Builders of DedTru, TruFlute and Other Precision Grinding Equipment.

“UNISON = GRINDING SOLUTIONS”

— | look-ahead | —

SAVING SHOE SOLES

Options exist for dressing grinding wheels: online in the grinding machine, offline in a manual dresser and offline in a CNC dressing machine. Typically, to transfer wheel profile programs to a CNC grinding machine when those programs were written on an offline CNC dressing machine, the operator needs to download the data into a thumb drive, walk to the grinding machine and insert the drive into a USB port in the grinding machine. In addition to the time required to perform that task the data could become corrupted or, if a company has more than one of the same grinders, the operator could input the data into the wrong machine.



To wirelessly transfer wheel pack data from a CNC dresser to a CNC grinder, Unison Corp. developed the Model 2000 WDN (Wheel Dresser Networking), which can serve as a network hub for Windows-based grinders to store and wirelessly retrieve wheel profile programs. The dressing and grinding machines are use N-band wireless routers plugged into their USB ports to transmit and receive data, respectively. “These devices can transmit up to approximately 200’ from one location to another, even in a factory environment where there is significant interference as a result of machine noise,” said Dave Swider, president of Unison.

The spindle of the Model 2000 WDN is custom-made to fit the taper size of each customer’s wheel adapters so the machine can be used to automatically dress wheels for any grinding machine, according to the company. The Model 2000 WDN can store up to 10,000 wheel pack programs.

Although some parts manufacturers might not have enough grinders to keep a CNC offline dresser fully utilized, Swider noted that the 2000 WDN is equipped with the company’s complete software package. “The operator of the wheel dressing machine will be able develop part programs in addition to wheel pack programs,” he said. “These part programs can then be wirelessly transferred to the grinding machine along with wheel pack programs.”

For more information, contact Unison Corp., Ferndale, MI., at (248) 544-9500 or www.unisoncorp.com

MODEL 2000 WDN CNC GRINDER

FOR AUTOMATIC WHEEL DRESSING WITH NETWORKING CAPABILITIES



The Model 2000 WDN is a CNC Grinder designed for precise computer-controlled automatic wheel dressing. This machine is ideal for dressing in both conventional and superabrasive grinding wheels. In addition the Model 2000 WDN can be used as a network hub for your Unison Windows™ based CNC grinders for storing and wirelessly retrieving your grinding wheel profile programs. The spindle of each machine is custom-made to fit the taper size of each customer's wheel adaptors so the Model 2000 WDN can be used to automatically dress wheels for any grinding machine.

The Model 2000 WDN is also shipped with a complete software package so you can use the machine as an off-line programming station to develop part programs for your Unison Grinders when you are not using it for automatic wheel dressing. The Model 2000 WDN is equipped with our state-of-the-art Unison Programmable Controller (UPC). The Computer Control can store up to 10,000 different grinding wheel profiles and up to 10,000 additional part programs which can be easily be saved or accessed by the operator. The Model 2000 WDN can be equipped with an optional Wireless Network Hub & Modem so the operator can send grinding wheel profiles and part programs to all of your Windows™ based Unison CNC Grinders. One of the major benefits of using the Model 2000 WDN as a network hub is the reduced potential for operator error when loading wheel profiles and part programs into your Unison grinding machines. Consult our Sales Department about how you can network all of your Unison machines using this machine. The Model 2000 WDN is outfitted with a sheet metal enclosure designed for maximum coolant containment. It has sliding front doors for ease of access as well as for quick part loading and maintenance. The operator's control station features an industrial-grade touch screen color monitor and pushbutton station with keyboard which is conveniently mounted on a right-hand swivel at the operator's work level. The Model 2000 WDN is easy to use and requires only simple inputs using a fill-in-the-blank approach. The machine's base is constructed of metallurgically controlled cast iron, selected for its inherent vibration dampening characteristics and is heavily reinforced to resist bending and torsional twisting forces.

STANDARD FEATURES INCLUDE

- Grinds Wheels up to 8" in Diameter & 4" Wide
- 220 Volt, 60 Hertz, 3 Phase Electrical Service
- Hand Scrapped Load Bearing Surfaces
- Heavy-Duty 3 Horsepower, 3600 RPM Spindle
- Automatic Ballscrew Lubrication System

OPTIONAL FEATURES INCLUDE

- Electric Wheel Dresser
- Custom Diamond Rolls
- Wireless Network Hub & Modem
- Variable Frequency Spindle Drive
- Auto Advanced Paper Coolant Filtration System
- AC Servomotors & Drive Amplifiers



Unison Corporation = "Grinding Solutions"

1601 Wanda Avenue Ferndale, MI 48220
 Phone: (248) 544-9500 Fax: (248) 544-7646
 Website: sales@unisoncorp.com Email: www.newunison.com