

UNISON CORPORATION

The New Unison Corporation

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NEWS RELEASE

FOR IMMEDIATE RELEASE:

Ferndale, Michigan – Unison Corporation will be demonstrating its Model 1500 CNC Profile Grinder, known as the PunchMaster, in our Booth # N6648 at IMTS 2012. The Model 1500 is now constructed on a new polymer cast base and features enhanced software. The design of this new base provides significant dampening properties to absorb vibration during grinding. This improved base increases accuracy during grinding as well as the surface finish of parts. Polymer bases are less sensitive to temperature fluctuations due to a lower thermal expansion coefficient thus improving precision and increasing productivity.



The Model 1500 is a rigid production grinding system designed to grind round & non-round OD shapes, as well as contours and peel grinding. Featuring Unison's proprietary grinding technology, the Model 1500 is capable of meeting the most demanding grinding applications with fast cycle times.

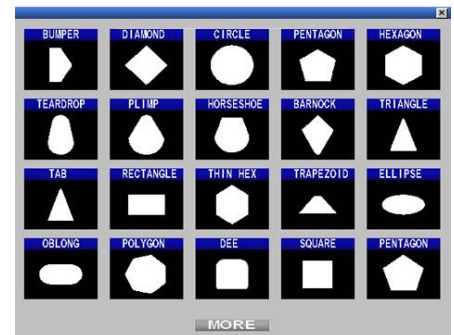
The Model 1500 features the latest Unison Parametric Control (UPC) which allows the operator to program parts by means of a simple menu both quickly and efficiently. Designed with the machine operator in mind, Unison's Geometral™ Software allows for quick customization of any program with minimal effort by just "filling in blanks".



The UPC utilizes the Windows 7™ Operating System and the software monitors all critical machine functions and alerts the operator to problems encountered during grinding. Errors are tracked and logged within the machine's control to easily identify a problem. The Model 1500 can be networked and monitored via the internet or through a central data collection point.

The Model 1500 is equipped with highly reliable Yaskawa AC Digital Servo Motors and Drive Amplifiers, requiring no periodic maintenance or adjustment. This CNC grinder also features a direct-drive workhead which maintains precise part positioning during grinding by incorporating a new 29 Nm high torque motor with a 20 bit high resolution encoder resulting in superior part surface finish and better geometric accuracy.

Frictionless linear rails are installed on the machine's axes and the Model 1500's polymer cast base incorporates internal reinforcements to add to the rigidity of the machine for heavy stock removal as well as to allow accelerated positioning rates.



The Model 1500 has been designed to be ergonomic for the machine's operator. Its streamlined look integrates the control console into the enclosure which requires less floor space. The Model 1500 is capable of meeting the most demanding applications and is shipped with Unison's complete library of software for grinding punch shapes. The Model 1500 provides remarkably fast cycle times from part-to-part with exceptional machine reliability.

Please contact Unison's Marketing Department for further information with respect to the Model 1500 PunchMaster.

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