

# UNISON CORPORATION

Bringing To Manufacturing .....

The Best In Grinding Technology

**UNISON**  
MEDICAL

**GRINDING**  
AEROSPACE

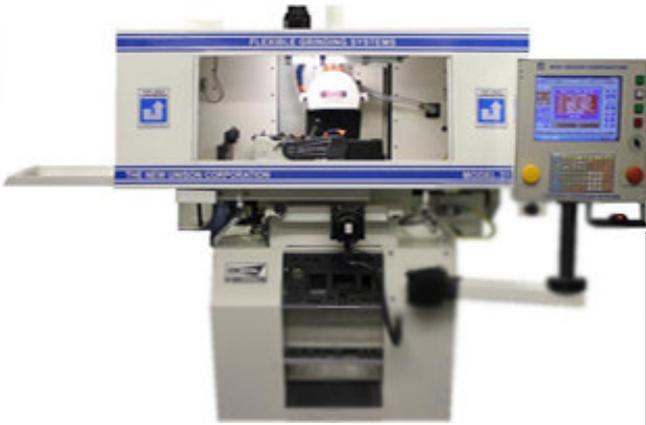
**SOLUTIONS**  
INDUSTRIAL



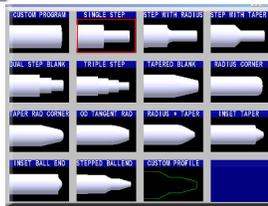
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## FGS Series Flexible Grinding Systems

All of the FGS series machines are constructed on a cast iron base which is hand scrapped to insure the highest level of accuracy. Precision ground ballscrews are installed to provide smooth motion control as well as to increase both the accuracy and longevity of the FGS series machines.



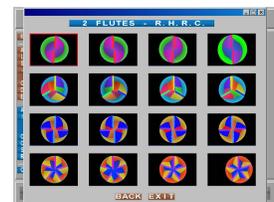
The **Model 2150A** CNC DedTru is a precision 3-Axis Grinding System for centerless OD grinding. The flexibility of this machine allows for precision OD, ID centerless grinding as well as precision surface grinding operations to be completed with minimal effort.



The Model 2150 is ideal for prepping blanks used in the manufacture of precision cutting tools.



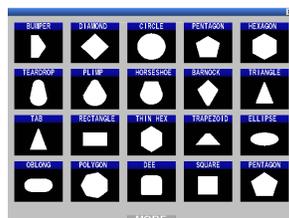
The **Model 2650** Combination Cutting Tool/Burr Grinder shown with optional autoloader is a rigid, but compact, proven version of our Flexible Grinding System™. It features a fully enclosed work area and includes an automatic steadyrest, part location gage and collet for a specific shank size.



Visit our website at [www.unisoncorp.com](http://www.unisoncorp.com) for more information on our complete line of Flexible Grinding Systems

## Model 1500 Punch Master Profile Grinder

The **Model 1500** is an extremely rigid grinding system for round, non-round, standard and non-standard O.D. shapes and contours without the use of master cams. The Punch Master is built with a stronger A-Axis workhead servomotor which provides for almost 50% increase in power so you can grind significantly larger parts than any previous model.



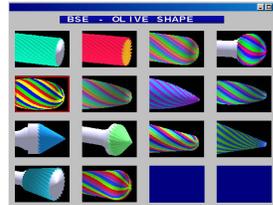
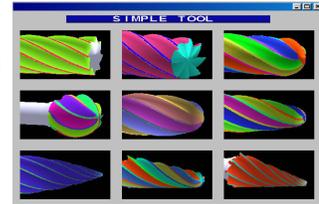
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## Model 8350 Combination Cutting Tool/Burr Grinder

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The New Unison **Model 8350** is an Axis CNC production grinder equipped with an automated loader, and a self contained coolant system.



The Model 8350 is shipped as a complete package including our latest version of our proprietary software and tooling.

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## Model 688 TruFlute

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The **Model 688** is a rigid, proven helical grinding system and is specifically designed for the manufacture of both standard and special cutting tools. The Model 688 produces straight or helical flutes in one pass and automatically grinds straight and tapered fluted tools such as drills, reamers and end mills. A New Unison UPC "Geometral" control utilizing an Intel Pentium™ processor is used for program calculations and machine motion control. The Model 688 is well known as a "**Workhorse**".



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## The Model 4100 Super TruFlute Grinding System

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The **Model 4100** is truly a revolutionary machine incorporating state-of-the-art technology in the machine's design.

The Model 4100 utilizes a system of round hydrostatic ways on the X, Y, and Z axes and a massive "C" axis assembly which virtually eliminates the possibility of machine deflection during the grind cycle.



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## DedTru Grinding Units

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The **Model C** can be used for through-feed, infeed and secondary operations and has a 4 inch regulating roll.

The **Model PGF** can be for infeed and secondary operations for parts which have multiple diameters, gears, splines, etc.



The **Model C6** can be used for through-feed, infeed and secondary operations for larger parts and has a 6 inch regulating roll.

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## Model U-12 Centerless Grinding System

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*The Model U-12 can offer you.....*



- ▶ *Accurate, Rapid Grinding of Small Diameter Parts*
- ▶ *High Quality, High Productivity*
- ▶ *Versatility and Dependability*
- ▶ *Ease of Operation*

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**TECHNICAL & SALES SUPPORT AVAILABLE BY TELEPHONE OR EMAIL**

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*Unison Corporation = "Grinding Solutions"*

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**Designing, Engineering and Building Precision Grinding Equipment Since 1959**