

UNISON CORPORATION

Model 8350



Combination Cutting Tool/Burr Grinder

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

Unison Corporation manufactures the Model 8350 Combination Burr/Cutting Tool Grinder which is an 8-Axis CNC production grinder shipped with an automated loader, tooling package, a self contained coolant system and a complete package of our proprietary software.

It is equipped with reliable AC servo drives and amplifiers which provide high reliability, coupled with accelerated speed to reduce overall “part to part” cycle time.

The evolution of our software development has reached a new level of sophistication which provides flexibility and offers a new definition in parametric programming.

For instance in as little as four steps, tools can be defined, simulated and ground. The operator can actually view the tool produced on the machine control monitor before any grinding begins. We call this feature “Geometral”.

The flexibility of our UPC control allows for special configurations of burr shapes to be defined. You are not “locked in” to what the manufacturer thinks the tool should look like. You decide what your tool will look like and design them to perform to your customer’s expectations.

Another added benefit of our software is multiple tool styles can be ran in the same production cycle. You can now manufacturer a specific number of tools in the pallet in one style and instantly change over to another style while still in the same cycle. This feature coupled with production monitoring & part counting, makes it easy to run “lights out”.

New Unison Model 8350 Axis Definition and Travel Specifications

Over all travel for the:

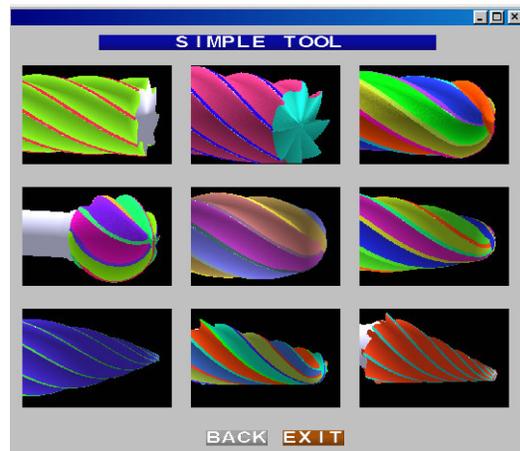
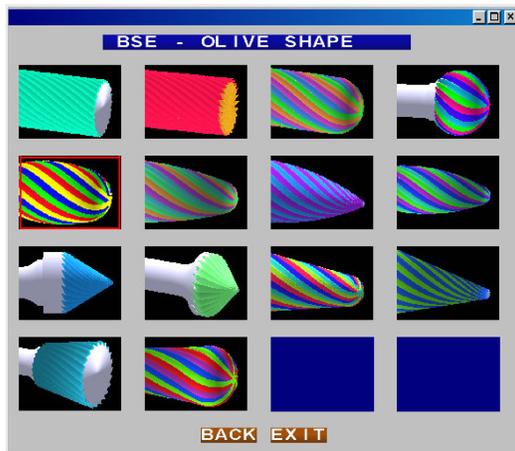
X axis is 250mm
Y axis is 120mm
Z axis is 200mm
A axis is 360°
C axis is 210°
K axis is 100°

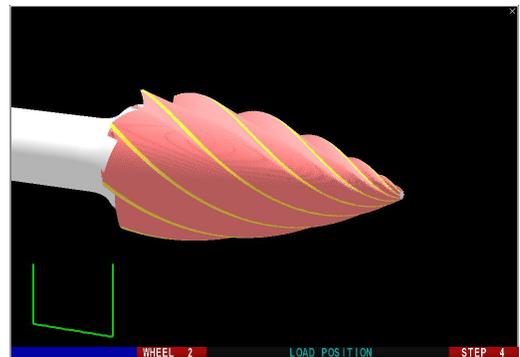
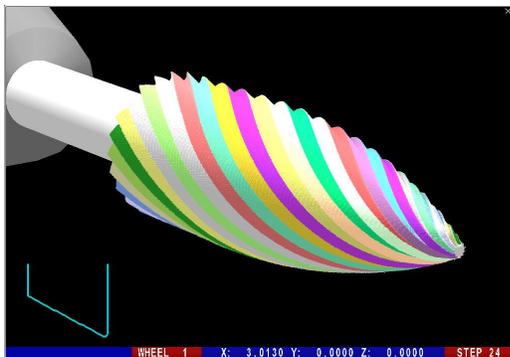
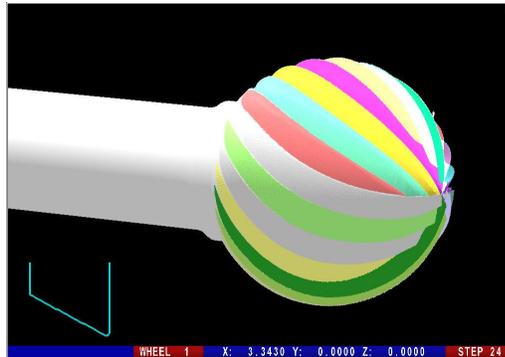
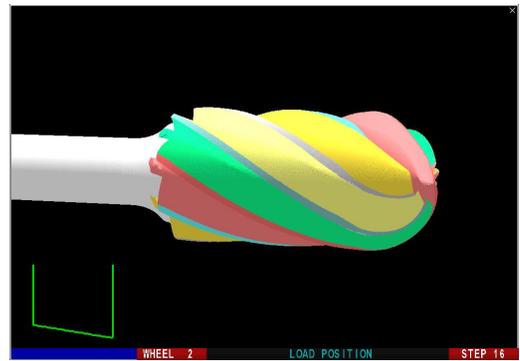
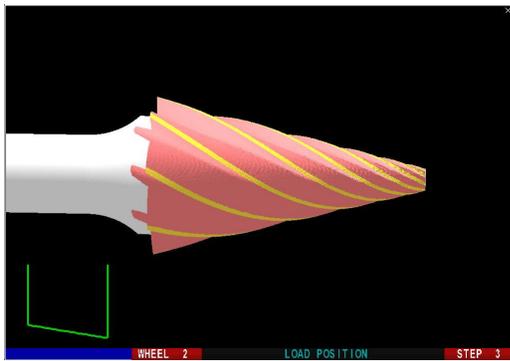
Floor Space Requirements:

Length 122” [3099mm]
Depth: 82” [2083mm]
Height: 110” [2794mm]
Weight: 8000 lbs [3637Kg]

The New Unison Model 8350 Combination Cutting Tool/Burr Grinder features

- ▶ On-Board Real Time 3-D Simulator
- ▶ Standard Industrial Bur Shapes
- ▶ Wide Range of Aluma Cut (Non-Ferrous) Bur Shapes
- ▶ Surgical Burr Shapes
- ▶ Staggered Flute Index available
- ▶ Pop-Up menu for size selection
- ▶ Ease in programming custom shapes
- ▶ Multiple part pallet runs
- ▶ Automatic compensation for grinding wheel wear
- ▶ Capacity to store 10,000 part programs
- ▶ Ability to Store 10,000 wheel packs
- ▶ Full Sectioning Capacity
- ▶ User-friendly graphical interface direct to machine
- ▶ Easy parametric programming with instant recall of all programs
- ▶ Easy to maintain pick-n-place loading system
- ▶ Constant A-Roll for Tapered Burrs
- ▶ Cylindrical Burrs with Fish Tail, Drill Point, End Mill and Burr Type Ends
- ▶ Left Hand Helix and Spiral Chip Break Option
- ▶ Production Monitoring/Parts Count
- ▶ New BSV, BSAM, BSG2R & BSQ shapes
- ▶ AC drive package is more dependable and therefore results in less downtime
- ▶ Inch or metric operation





FIND OUT WHY UNISON CORPORATION HAS A SOLUTION TO YOUR GRINDING PROBLEMS

Our vast experience spanning over 50 years in the production machining field and our tireless effort in searching for new methods to solve grinding problems culminated in the design and building of this Combination Cutting Tool/Burr Grinder.

Our ability of adapting standard machine components to handle your very special production requirements will provide quicker solutions to your grinding needs.

Always **“At Your Service”** we specialize in **Customer Satisfaction**



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“Unison = Grinding Solutions”