

Campbell Grinder Company



MODEL 800

The Model 800 machine configuration is optimized for creep feed grinding processes which require (3) linear axes. Specifically, it is a traveling column design with a Y axis ram traveling on the Z axis, and a stationary work-piece. This configuration allows for a small machine footprint while allowing all three structural guideway rail mating components to have a large closed box cross section; maximizing grinding stiffness and geometric accuracy. This configuration allows for easy implementation of common creep-feed grinding options such as CDCF grinding and indexing table part loading.

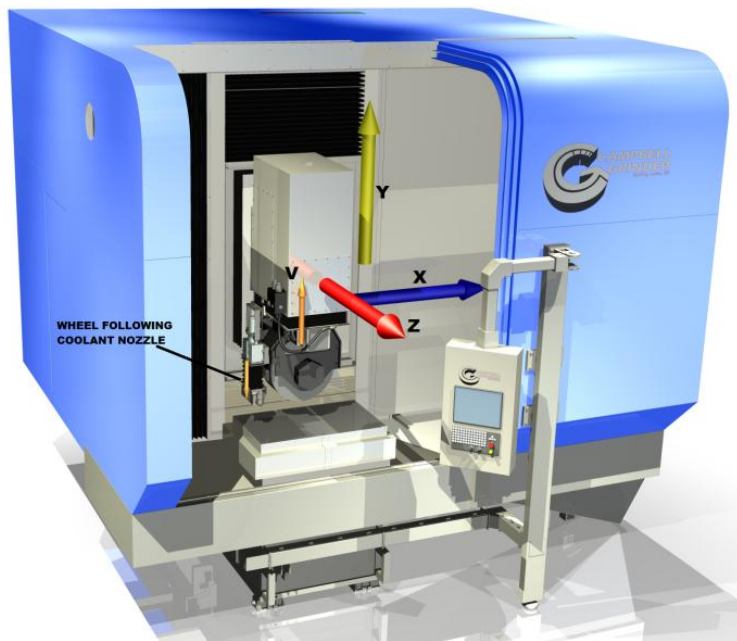
Standard Features For 800 Model

- Ability To Use Any Abrasive
- Liquid Cooled Grinding Spindle
- 60 HP Grinding Spindle
- Y Axis – is Fully Counter Balanced
- Y Axis – 12" up to 36" of Travel in 6 inch increments
- Z Axis – 12" up to 36" of Travel in 6 inch increments
- X Axis – 24" up to 96" of Travel in 12 inch increments
- Table Top up to 36" wide and 24" long other sizes available in 6 inch increments
- Precision Roller Ways – All Axes
- Linear Glass Scales – All Axes
- Fanuc CNC Control
- Full Machine Enclosure

Accuracy

X Axis, Y Axis Z Axis, V Axis: Accuracy 5 Microns (0.0002 inch),

Axis Movement



Optional Features

- Over the Wheel Dresser
- Table Mount Dresser
- CDCF Dresser
- Disk Dresser
- Programmable Coolant Nozzles
- Magnetic Chuck
- Wheel Balance System
- Wheel Load Assist
- Part Load Assist
- Mist Collector
- Numerous Coolant Systems Available
- Spindles available up to 150 HP
- Thru the Table Hydraulics / Pneumatics for Fixturing

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