



Campbell Grinder Company



MODEL 700

The Campbell 700 series vertical grinder is a precision vertical spindle machine with rotary table. It is capable of providing tight-tolerances for OD / ID or flat face grinding. The machine also performs plunge, vector and form grinding operations. This machine can be equipped with a live center to better support long cylindrical parts. This highly versatile performer is well suited for any application on circular parts and shafts.

Standard Features For 700 Model

- Fanuc CNC Control
- Precision Roller Ways – All Axes
- Ability To Use Any Abrasive
- OD/ID Grinding Spindle
- Single Point Dresser
- Table Top 914mm (36”) up to 2032mm (80”) Diameter in 152mm (6”) increments
- Z Axis – 914mm (36”) up to 2438mm (96”) of Travel in 152mm (6”) increments
- X Axis – 914mm (36”) up to 1828mm (72”) of Travel in 304mm (12”) increments
- Roller Style Table Bearing
- Linear Glass Scales – All Axes
- Full Machine Enclosure With World Class Ergonomics

Accuracy

Z Axis: Accuracy 5 Microns (0.0002 inch)

X Axis: Accuracy 5 Microns (0.0002 inch)

C Axis (Table Spindle): Run out 2.5 Microns (0.0001 inch) both radial and axial, measured 305mm (12 inches) above the table top CL

(Optional) B Axis Spindle Swivel: Run out 5 Microns (0.0002 inch) radial and axial, measured 305mm (12 inches) above the table top CL, Accuracy 20 arc seconds

Optional Features For 700 Model

- Disk Dresser
- Roll Form Dresser
- CDCF Dresser
- Dresser Changer
- Magnetic Chuck
- Wheel Balance System
- Hard Wired Part Probe
- Wireless Part Probe
- Tool Probe
- Laser Part Measuring
- Turning
- Steady Rest
- Spindle Indexer
- B Axis (Spindle Swivel)
- Deburring Spindle
- Chiller
- Live Center
- Standard Gap Eliminator
- Acoustic Gap Eliminator
- Power Chuck
- Tool and Nozzle Changer
- Wheel Load Assist
- Part Load Assist
- Air Knife
- Multiple Grinding spindles on the same head
- Spindle(s) - Numerous HP & RPM Available
- Fire Suppression System - Oil Coolant
- Contouring “C” Axis
- Thru the Table Hydraulics / Pneumatics for Fixturing
- Hydrostatic Table Bearing
- Many Other Options Available

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