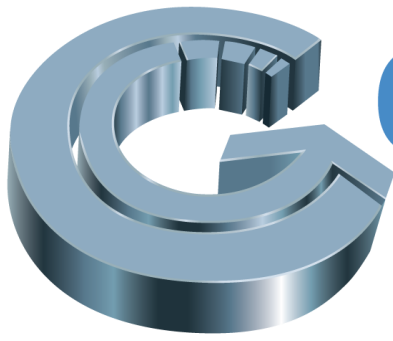




Campbell Grinder Company



MODEL 750

Model 750 machines are built specifically to grind cylindrical parts. It is a highly rigid platform that is configured to machine a part with its axis vertical. Using this configuration the part doesn't need a steady rest or tailstock, thus enhancing accuracy and repeatability. The machine is available with up to four (4) axes of motion and various options including hard turning to improve productivity.

Standard Features For 750 Model

- Fanuc CNC Control
- Precision Roller Ways – All Axes
- Ability To Use Any Abrasive
- OD/ID Grinding Spindle
- Single Point Dresser
- Roller Style Table Bearing
- X Axis – 914mm (36") Travel
- Z Axis – 914mm (36") Travel
- Linear Glass Scales – All Axes
- Full Machine Enclosure With World Class Ergonomics
- Table Top 914mm (36") Diameter with Tee Slots
- 1067mm (42") Diameter Swing
- 559mm (22") Part Height Capacity

Accuracy

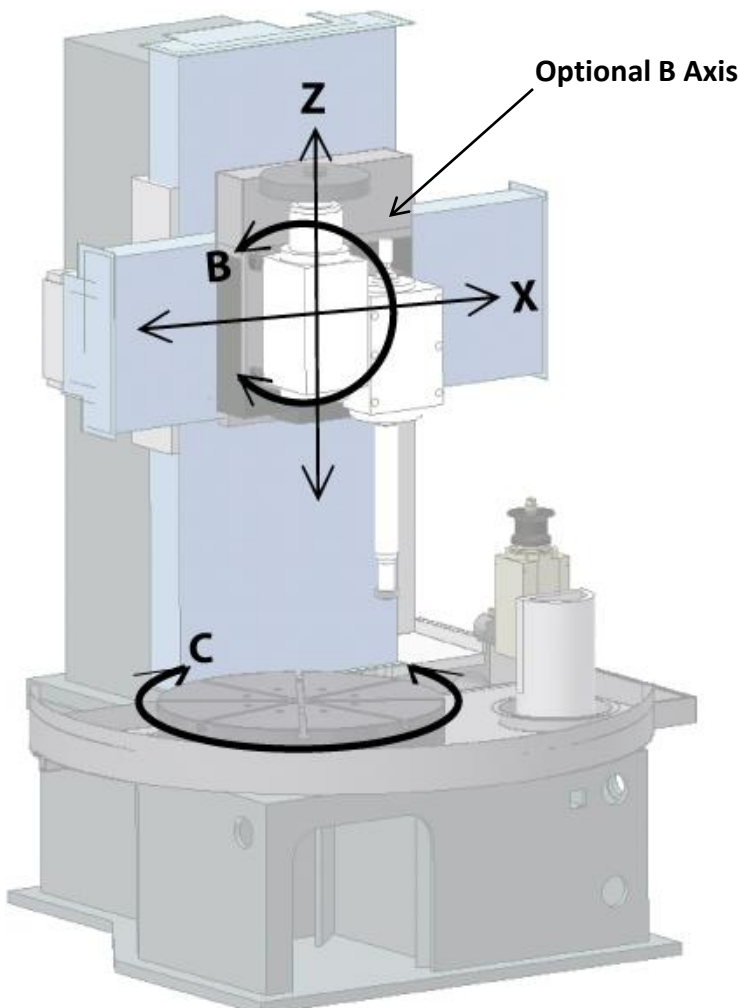
Z Axis: Accuracy 5 Microns (0.0002 inch)

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

Axis Movement



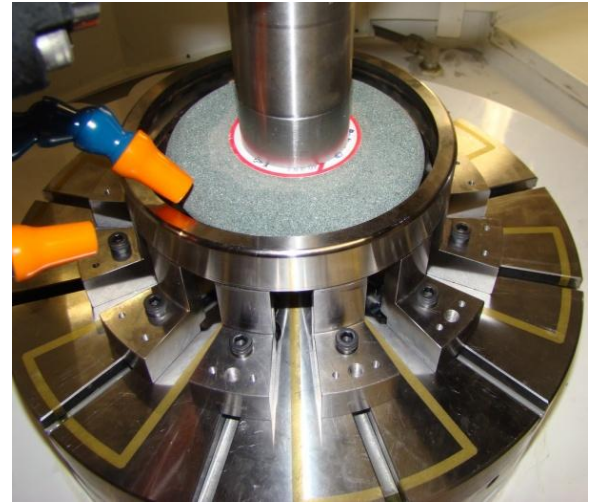
Inside Look



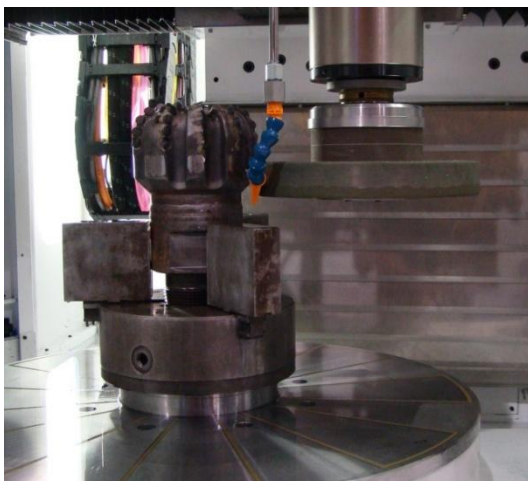
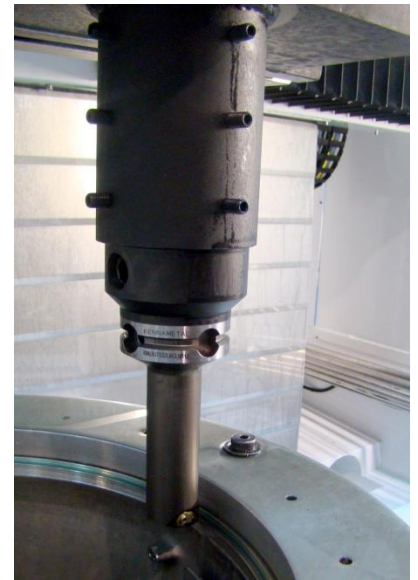
Optional Features For 750 Model

- Disk Dresser
- Roll Form Dresser
- CNC Radius Dresser For Bearing Grinding
- CDCF Dresser
- Magnetic Chuck
- Hydrostatic Table Bearing
- ID Shoe Gripper For Bearing Grinding
- Wheel Balance System
- Part Probe
- Wireless Part Probe
- Tool Probe
- Laser Part Measuring
- Turning
- Steady Rest
- Automatic shoes
- C Axis Contouring Rotary Work Table
- Spindle Indexer
- B Axis (Spindle Swivel)
- Chiller with Spindle Loop
- Live Center
- Standard Gap Eliminator
- Acoustic Gap Eliminator
- Air Knife
- Multiple Grinding spindles on the same head

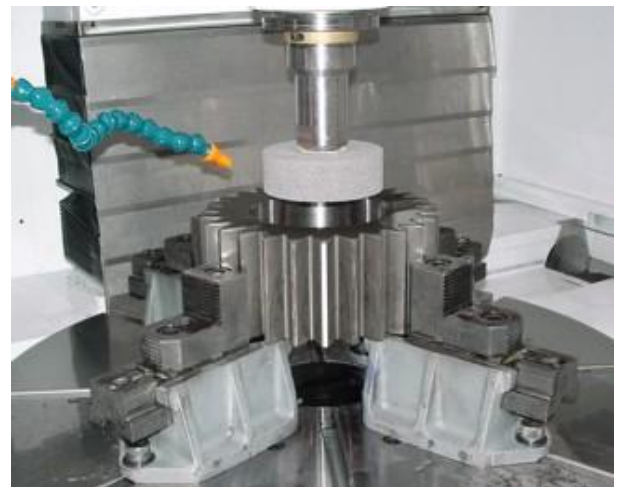
Magnetic Chuck Used For A Bearing Grind



Turning



OD Grind

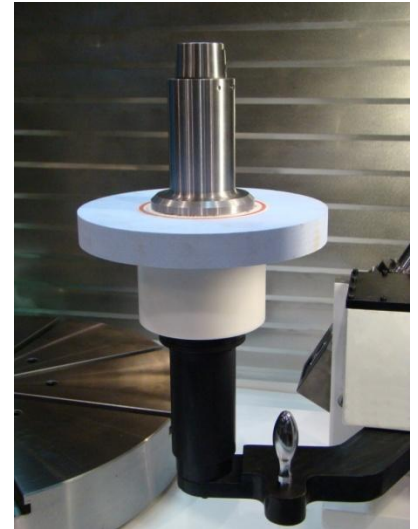


ID Grind

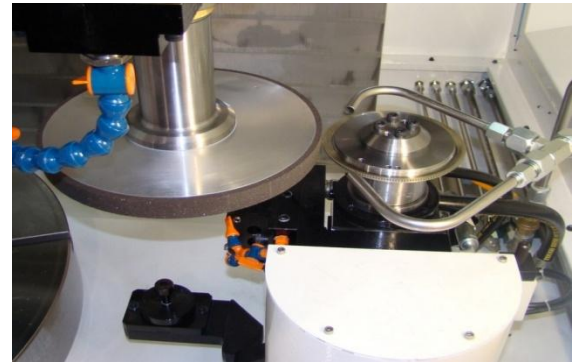
Optional Features For 750 Model

- Tool and Nozzle Changer
- Wheel Load Assist
- Part Load Assist
- Deburring Spindle
- Spindle(s) - Numerous HP & RPM Available
- Mist Collector
- Dust Collector
- Fire Suppression System - Oil Coolant
- Power Chuck
- Thru the Table Hydraulics / Pneumatics for Fixturing
- Many Other Options Available

Wheel
Load
Assist



Wheel Dressing



Inside look at Tool and Coolant
Nozzle Changer



750 Machine with Optional Tool and
Coolant Nozzle Changer

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