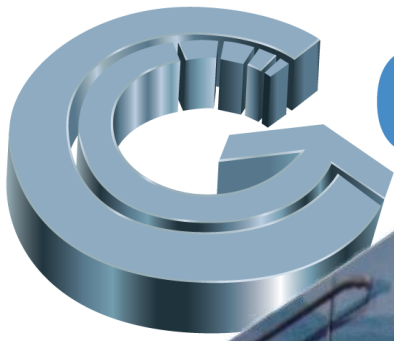




Campbell Grinder Company



MODEL 930

The 930 is a large capacity 5 axis creep feed grinding machine. The machine is especially well suited for grinding turbine engine vanes, grinding turbine engine buckets, grinding turbine engine shrouds, grinding turbine engine hangers, grinding turbine engine panels and fairings. The machine's large work cube and small footprint along with the optional automatic wheel and coolant nozzle changer and the ability to mill, drill, and probe insures long term efficiency and versatility. The 930 is engineered to grind with any conventional or superabrasive wheel including plated CBN, vitrified CBN, any aluminum oxide and ceramic blends.

Standard Features For 930 Model

- Fanuc CNC Control
- Precision Roller Ways – All Axes
- Ability To Use Any Abrasive
- Single Point Dresser
- X Axis – 915mm (36") Travel
- Y Axis – 915mm (36") Travel
- Z Axis – 915mm (36") Travel
- Linear Glass Scales – All Axes
- Full Machine Enclosure With World Class Ergonomics
- 609mm (24") Cube Part Capacity

Accuracy

X Axis: Accuracy 5 Microns (0.0002 inch)

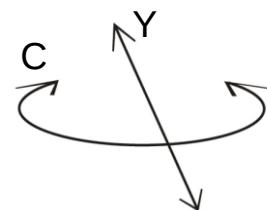
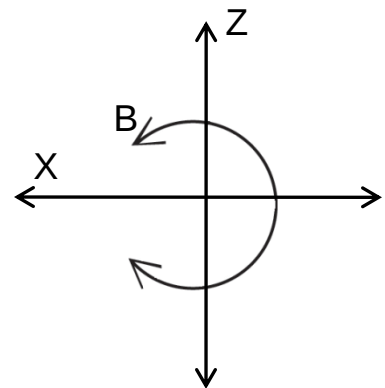
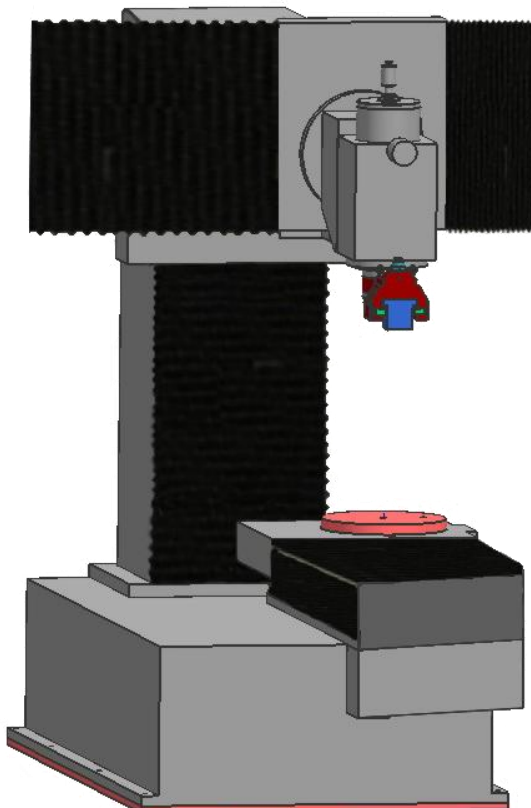
Y Axis: Accuracy 5 Microns (0.0002 inch)

Z Axis: Accuracy 5 Microns (0.0002 inch)

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

C Axis (Table): Run out 5 Microns (0.0002 inch) radial and axial, measured 305mm (12 inches) above the table top CL, Accuracy 10 arc seconds

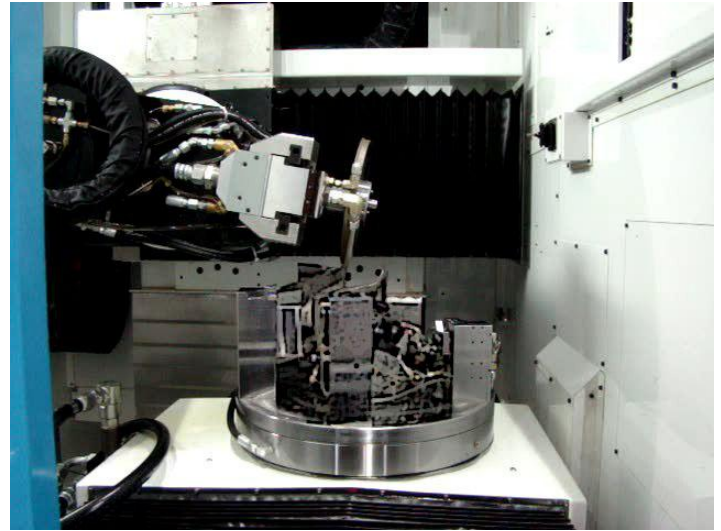
Axis Movement



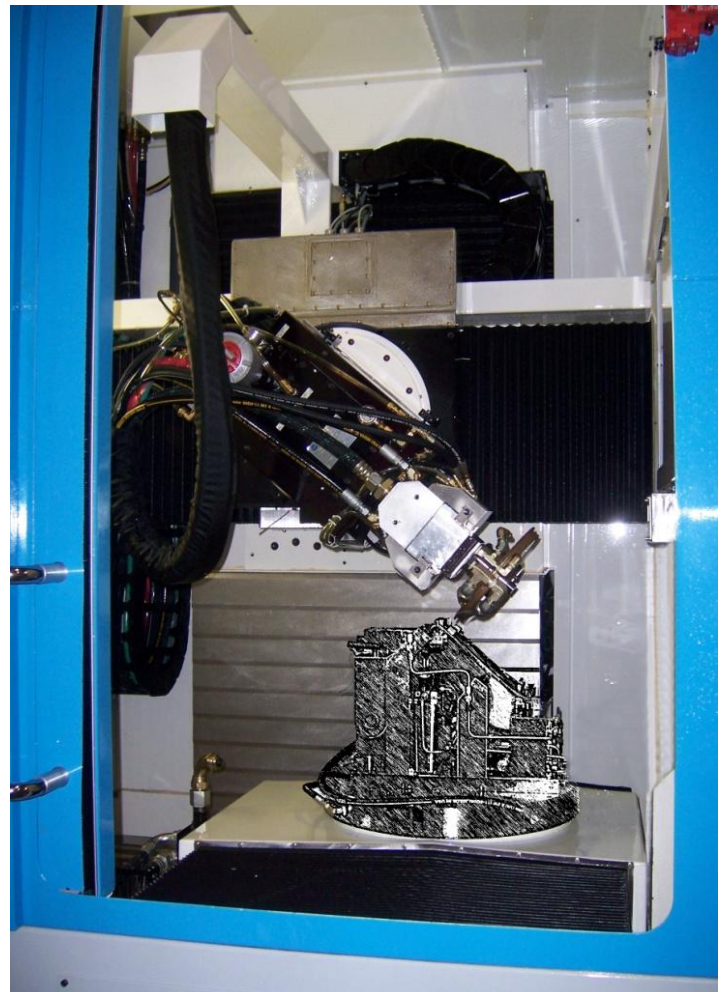
Optional Features For 930 Model

- Disk Dresser
- Roll Form Dresser
- Wheel Balance System
- Part Probe
- Wireless Part Probe
- Tool Probe
- Milling and Drilling
- Chiller with Spindle Loop
- Through table Hydraulics
- Air Knife
- Gap Eliminator
- Spindle - Numerous HP & RPM Available
- Tool and Nozzle Changer
- Mist Collector
- Dust Collector
- Fire Suppression System - Oil Coolant
- Many Other Options Available

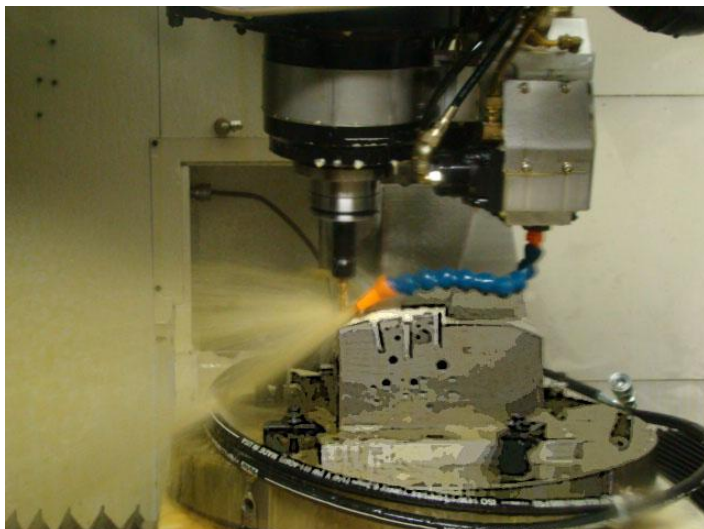
Grinding



Inside Look At The Machine



Milling



Optional Features For 930 Model

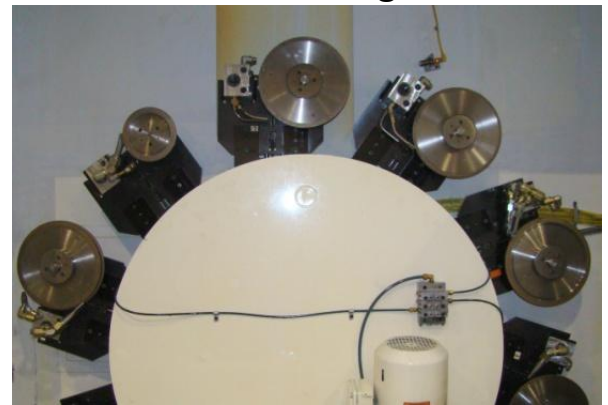
930 Machine with Optional Tool and Coolant Nozzle Changer



Grinding



Inside look at Tool and Coolant Nozzle Changer



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