We build Model 750 vertical grinding machines specifically to grind cylindrical parts. This proven design has been successful in the bearing, aerospace and power generation industries. The 750 ID/OD Cylindrical grinder is a highly rigid platform configured to machine a part with its axis vertical, which eliminates the need for a steadyrest or tailstock, enhancing accuracy and repeatability. The machine is available with up to five axes of motion and various options. An optional tool changer enhances the flexibility and part features by changing out wheels, tools, and coolant nozzles for grinding specific part features.
<table>
<thead>
<tr>
<th>Specification</th>
<th>750 D1000</th>
</tr>
</thead>
<tbody>
<tr>
<td>Version</td>
<td>750 D1000</td>
</tr>
<tr>
<td>Dimensions</td>
<td>2.00 M x 3.09 M</td>
</tr>
<tr>
<td>Table Diameter</td>
<td>900 mm</td>
</tr>
<tr>
<td>Swing Diameter</td>
<td>1100 mm</td>
</tr>
<tr>
<td>Part Height</td>
<td>550 mm</td>
</tr>
<tr>
<td>Axes</td>
<td>X, Z</td>
</tr>
<tr>
<td>Spindle</td>
<td>1500 - 7200 RPM</td>
</tr>
<tr>
<td>Table Drive</td>
<td>150 RPM</td>
</tr>
</tbody>
</table>

**Z Axis Accuracy:** 5 Microns (0.0002”)  
**X Axis Accuracy:** 5 Microns (0.0002”)
FANUC CNC Control Panel
Precision Roller Ways - All Axes
Ability To Use Any Abrasive
OD/ID Grinding Spindle
Single Point Dresser
High Precision Table Bearing
Linear Glass Scales - All Axes
Full Machine Enclosure
Turning
Steady rest/Live Center
Automatic shoes
C-axis contouring rotary work table
Spindle indexer
B-axis (spindle swivel)
Chiller with spindle loop
Standard gap eliminator
Acoustic gap eliminator
Air knife
Multiple grinding spindles on the same head
Tool and nozzle changer
Wheel load assist
Deburring spindle
Numerous spindle power & RPM combinations
Mist collector
Dust collector
Fire suppression system for oil coolant
High speed C-axis
Disk dresser
Roll form dresser
CNC radius dresser for bearing grinding
CDCF dresser
Magnetic chuck
Hydrostatic table bearing
ID shoe for bearing grinding
Wireless part probe
Tool probe
Laser part measuring
Product Catalog
Campbell Grinder Company

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