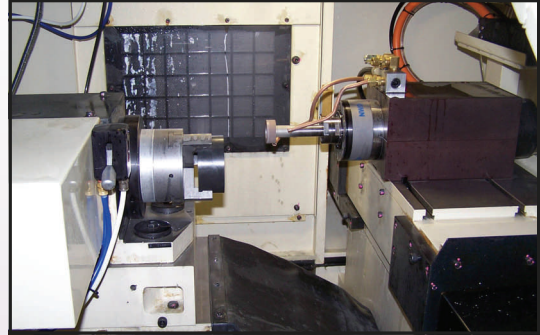




UGC Single Spindle ID Grinder Case Study, November 2006



Compact,
high
precision
solution for
grinding a
variety of
small
ceramic
components.



Customer:

Ceradyne, Irvine, CA

Application: Ceramic ID Grinding

Configuration:

- Single spindle, 30,000 RPM
- 4" manually operated pneumatic chuck
- 2 Axis CNC; Fanuc 21iTB

Process:

Proprietary material (Ceramic); grinding bores, radii, and faces on a variety of components using metal bond diamond abrasives and water soluble coolant.

Notable:

The UGC will be incorporated in a grinding cell which includes two (2) recently installed Weldon AGN4 straight wheelhead OD CNC Grinders.

Featuring:

- GMN high frequency grinding spindle
- Northfield 3-jaw pneumatic chuck
- Fanuc CNC control