

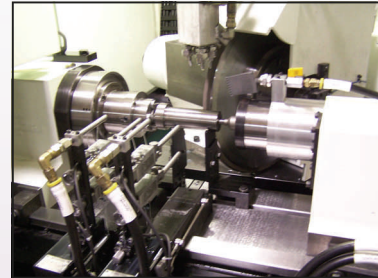


320A MIDAS PEEL GRINDER

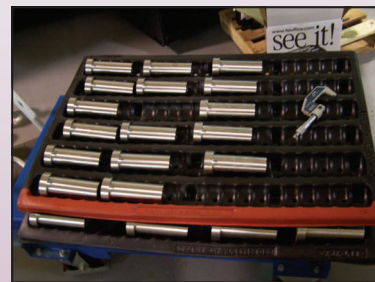
Case Study, December 2006



Wide range dual gage with BCD output for post-grind size control.



A wide variety of pins and planetary shafts ground in a single-pass process.



Flexible production solution for “full length” grind with minimal change-over.

Customer: *Caterpillar, Sumter, SC* **Application:** Pins and planetary shafts (8620, 58 to 60 Rc)

Configuration:

- Angular wheelhead
- Between centers
- Live spindle tailstock
- Hydraulic face driver

Process: Full depth, single pass “Peel” grind; .007” stock per side; multiple diameters, shoulder, corner radii, blend angles, and end-face

Attributes:

- Diameter size: +/- .00004” (2.0 CP_k)
- Surface finish: 32 Ra Max.
- Burn free

Featuring: GE Fanuc 18iTB control, Marposs dual wide range sizing gages, Renishaw lateral locator, Dittel acoustic emission sensor, SBS automatic wheel balancer, FRB hydraulic face driver, Universal Superabrasive vitrified CBN grinding wheel, Barnes coolant filtration system, Turmoil coolant chiller, Airflow mist collector.