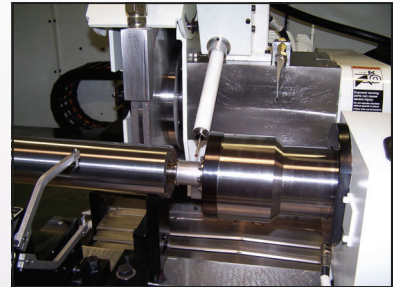




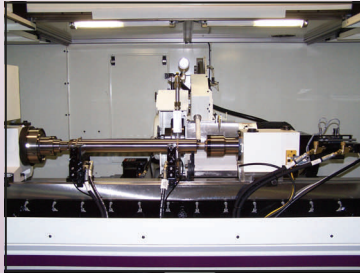
# Solaris

## Case Study, July, 2007

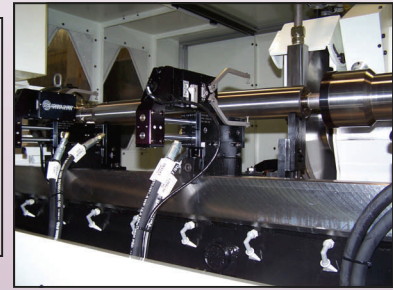


Wheelhead mounted automatic lateral locator with Renishaw probe.

60" between centers capacity; live spindle tailstock; hydraulic face driver.



Dual CGI gages arranged for post-grind sizing with BCD output to control.



**Customer:**

Caterpillar  
Sumter, SC

**Application:** OD "Peel" Grind;  
Various pins and shafts;  
8620 Rc 58-62

**Configuration:**

Straight wheel, dual CBN  
Hydraulic face driver  
Automatic lateral locator  
Electric rotary diamond dresser  
Live spindle tailstock  
Dual in-process gaging  
Acoustic emission sensor system

**Notable:**

Dual CBN wheel configuration allows for roughing and finishing in the same cycle. Large diameter pins and shafts are presented with up to .040" stock on diameter and over .005" run-out, and are finished ground in only 2 (two) passes. With better control of incoming stock, a single pass operation would be possible.

**Featuring:**

GE Fanuc 18iTB CNC control, Renishaw lateral probe, Dittel acoustic sensor, CGI sizing gages, SBS automatic wheel balancer, FRB hydraulic face driver