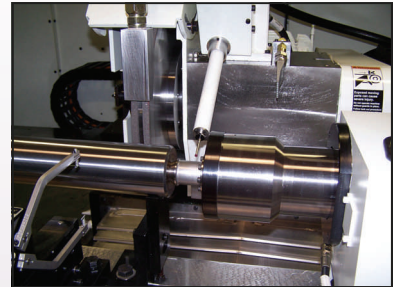




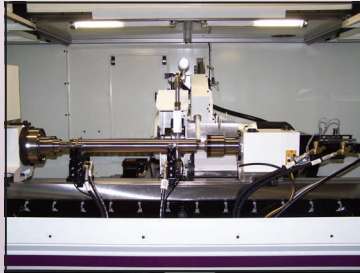
Solaris

Case Study, July, 2007

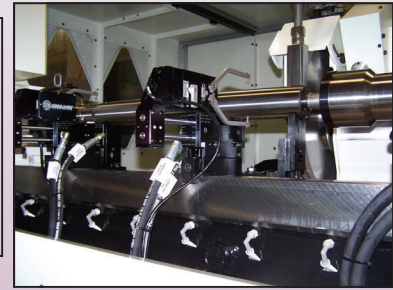


Wheelhead mounted automatic lateral locator with Renishaw probe.

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