

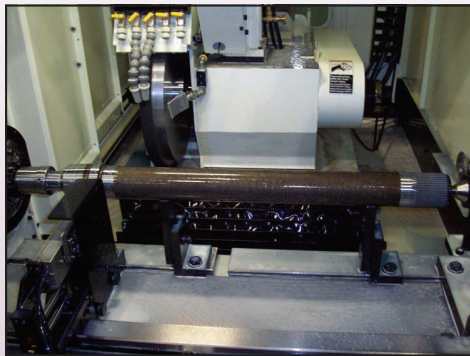
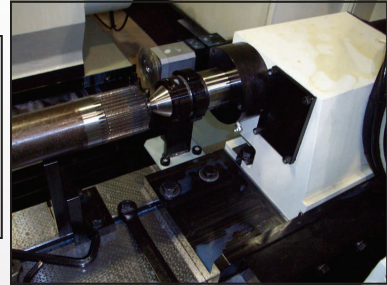


MIDAS 320S CBN Grinder Case Study



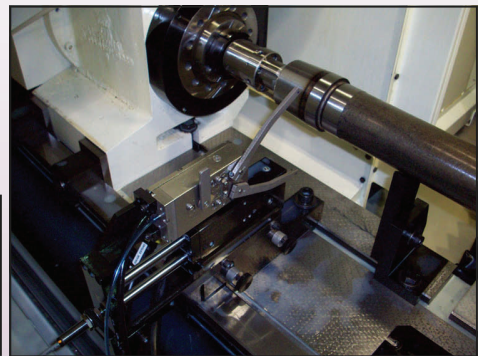
GE Fanuc
18i TB
CNC
control;
Automation
ready

5" stroke
hydraulic
tailstock;
Electric
rotary
dresser



Vitrified CBN
grinding wheel;
Part blow-off.

Hydraulic face
driver; Quick-set
in-process sizing
gage



Customer:	Bobcat Gwinner, ND	Application:	Axle Grind
Configuration:	Straight wheel, CBN (vitrified) Hydraulic face driver In-process sizing gage Hydraulically operated tailstock with live center High-pressure wheel cleaner Acoustic emissions sensor Electric rotary dresser		
Process:	Multi-plunge two bearing journals and one seal diameter in a single automatic cycle		
Attributes:	Diameter tolerance +/- .00025" Surface finish 24 Ra		
Notable:	Machine was shipped "automation ready". The customer successfully integrated a machine tending Fanuc robot		
Featuring:	<u>SBS</u> automatic wheel balancer, <u>GE Fanuc</u> 18i CNC control, <u>CGI D-100</u> in-process gage, <u>Barnes</u> coolant filtration system, <u>Superabrasives Inc.</u> vitrified CBN grinding wheel, <u>GII</u> electric rotary dresser, <u>Dittel</u> acoustic sensor, <u>FRB</u> face driver and live tailstock center		