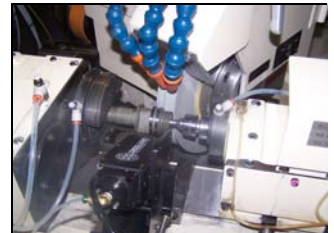




## AGN4 Angle Wheelhead Grinder Case Study, June 2005



*Customer:* Caterpillar, Pontiac, IL      *Application:* Injector Valve Body  
(steel forging, 62 Rc)

*Configuration:* Angular wheel, ALOX  
Counterweighted driver  
3-axis gantry with dual gripper configuration and dual vertical pallet station  
Table mounted lateral locator

*Process:* Diameter and face plunge grind cycle  
Dress every five (5) parts  
60 parts per hour capability

*Attributes:* Face flatness      2 micron  
Surface finish      8 Ra (max)

*Notable:* Full Weldon turnkey of machine, automation, tooling, and process

*Featuring:* CGI lateral locator, SBS wheel balancer, Schunk gripper tooling, GE Fanuc 21i  
CNC control