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