## AGN4 Angle Wheelhead Grinder Case Study, September 2006

### Configuration:
- Angular wheel, ALOX
- 5C Collet chuck, pneumatic
- 6-axis robot with dual gripper configuration and horizontal pallet station
- In-process sizing gage
- Pneumatic operated tailstock

### Process:
- Diameter and face multi-plunge grind cycle
- Dress every five (7) parts
- 120 parts per hour capability

### Attributes:
- Diameter tolerance: +/- .0001”
- Surface finish: 8 Ra (max)

### Notable:
- Weldon turnkey of machine, tooling, and process; Integration of customer furnished robot, safety mat, and pallet station

### Featuring:
- SBS automatic wheel balancer, Schunk gripper tooling, Epson 6-axis robot, GE Fanuc 21i CNC control, Marposs in-process gage

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**Customer:** Hydraulic Component Manufacturer  
**Application:** Poppet Grind  
(86L20, 57 Rc)