



P175 C-Axis Grinder Case Study, April, 2007



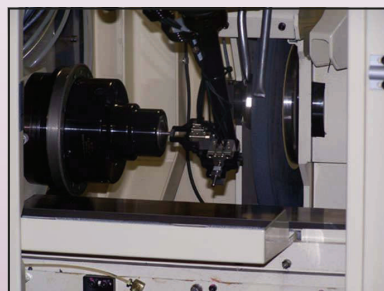
Six axis FANUC robot, machine mounted. Dual pallet part presentation and exit chute.



Automatic processing of a wide variety of aerospace grade head bolts.



Dual gripper assembly for load/unload; Renishaw probe for lateral positioning; 5C collet workholding.



Customer:	Aerospace Fastener Manufacturer	Application: Bolt Head Grind (Inconel 718)
Configuration:	Straight wheel, ALOX 5C Collet chuck, pneumatic 6-axis robot with dual gripper configuration and horizontal pallet station Automatic lateral locator Workhead mounted ring dresser Programmable Workhead (C-Axis)	
Process:	Non-round head shape grind in C-Axis mode, fully automatic cycle; load/unload; lateral positioning; automatic dress routine; multi-surface head grind	
Notable:	Weldon turnkey of machine, tooling, process, integration of robot, safety guarding, and pallet station	
Featuring:	<u>Schunk</u> gripper tooling, <u>FANUC</u> 6-axis robot, <u>GE Fanuc 21i</u> CNC control, <u>Renishaw</u> lateral probe, <u>Dittel</u> acoustic sensor	