



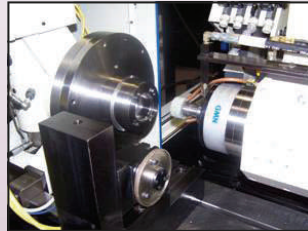
1632 Gold CNC Grinder Case Study, October 2007



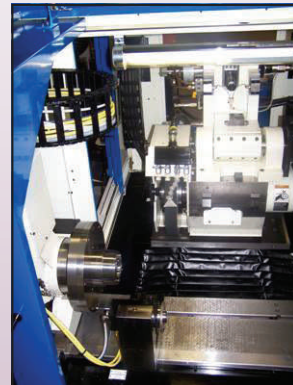
GE Fanuc 180iTB control; Dittel Acoustic emissions sensor; SBS wheel balancer; keyboard tray



OD and ID bearing races are ground out-of-round in bi-lobe and tri-lobe configurations



Swing-down ID grinding system and rotary dresser; Alox and CBN capable



OD spindle in straight wheelhead configuration for round and non-round grinding using both conventional and CBN abrasives

Customer:	SKF—Jamestown, NY	Application: Aerospace Bearings (M-50 and 440C Stainless)
Configuration:	Dual spindle, OD/ID Custom workholding Live spindle workhead, programmable Alox and CN abrasives OD and ID electric rotary dressers	
Process:	Plunge grind with chopping OD and ID bearing race Non-round, bi and tri-lobe	
Attributes:	Diameter tolerance +/- .0002" Surface finish 8 to 10 Ra	
Featuring:	SBS automatic wheel balancer, Dittel acoustic emissions sensor, GE Fanuc 180i CNC control, Universal electric dressers, GMN high frequency ID grinding spindle, GE Fanuc high speed self learning servo system	