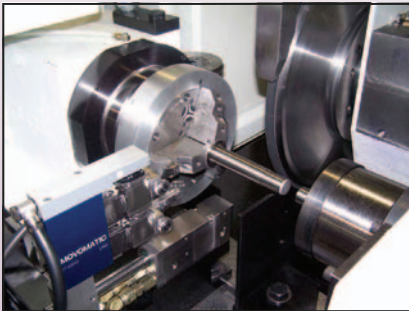
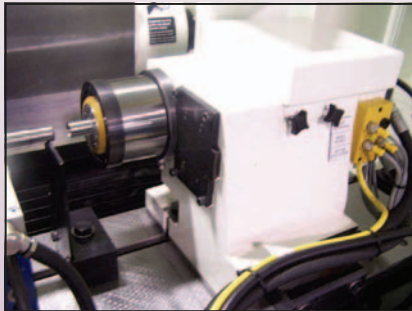




## MIDAS 320S Peel Grinder Case Study, April, 2008



|                       |  |  |
|-----------------------|--|--|
| <b>Customer:</b>      | Aerospace Fastener Manufacturer  | <b>Application:</b> Tapered Bolt Grind (Inconel 718) |
| <b>Configuration:</b> | Straight wheel, CBN (vitrified)<br>3-Jaw chuck, pneumatic<br>In-process sizing gage<br>Hydraulically operated tailstock, live spindle<br>High-pressure wheel cleaner   |  |
| <b>Process:</b>       | High-speed “peel” grind: multi-pass. Grinds head-end shoulder, fillet radius, tapered body diameter, transition angle, thread-roll diameter and nose-end angle   |  |
| <b>Attributes:</b>    | Diameter tolerance    +/- .0002”<br>Surface finish            16 Ra  |  |
| <b>Notable:</b>       | No wheel change required between part numbers  |  |
| <b>Featuring:</b>     | <u>SBS</u> automatic wheel balancer, <u>GE Fanuc 18i</u> CNC control, <u>Movomatic</u> in-process gage, <u>Encyclon</u> cyclonic coolant filtration systems, Air flow mist collector, <u>Universal Superabrasives</u> vitrified CBN grinding wheel and rotary diamond dresser, <u>Dittel</u> acoustic sensor |  |