



THE SITUATION

INDUSTRY: Aerospace
MACHINE: OKK HMC
CONTROL: Fanuc 310is-A
MATERIAL: 718 Inconel (cast)
TOOLING: 1/2" End Mill & Assorted Drills

The customer is drilling 100 + holes in the flange on an engine case. The part program has to incorporate a tool check process to ensure the tool isn't breaking, which is increasing the cycle time.

TOOL BREAKAGE DETECTION

SERIES #: J5834A
PRODUCT: **TMAC**

THE SOLUTION

Using Caron Engineering's TMAC MP system, the CNC program no longer requires the tool check process because TMAC monitors and alarms the machine when a drill gets dull.

Now, operators can work without fear that they might scrap a \$150K part.

In addition, the customer is also able to tell which vendor regrinds their tools better, because TMAC displays the actual power the tool is generating, and they've noticed differences between vendors.



Additional case studies available at wolframfg.com/resources/case-studies



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