



CASE STUDY.

EcoCut

Low Carbon Steel Automotive

PROJECT PROFILE:

A CONTRACT MANUFACTURING COMPANY IS PRODUCING AUTOMOTIVE AIRBAG COMPONENTS. THEY ARE USING A BAR FED MIYANO CNC LATHE WITH 200 PSI COOLANT THROUGH THE TOOL. THE PART BEING MACHINED IS AN ACTUATOR COMPONENT MADE OUT OF LOW CARBON STEEL.

+ CHALLENGE:

TO MANUFACTURE THEIR PRODUCTS, THE CUSTOMER WAS INITIALLY USING THREE TOOLS; AN INDEXABLE DRILL, A ROUGH BORING TOOL, AND A FINISH BORING TOOL. TURNING TO AMEC TO IMPROVE THEIR PRODUCTION, THE CUSTOMER NEEDED TO REDUCE COSTS IN ORDER TO CONTINUE THEIR CONTRACT.

+ OUR SOLUTION:

AMEC SUGGESTED THEY USE A COMBINATION OF A T-A® DRILL OUTFITTED WITH A GEN2T-A® INSERT AND AN ECO-CUT HOLDER AND INSERT. FIRST, THE DRILLING WAS DONE WITH THE T-A® DRILL AND GEN2T-A® INSERT ITEM # 4C10H-0017. THEN THE ROUGH AND FINISH BORING WAS DONE WITH THE ECO-CUT COMBINATION WHICH INCLUDED HOLDER ITEM # EC 12R-3.00 06 H-E AND AN INSERT WITH A GM40 GRADE, ITEM # XCNT 060202EN. THE RESULTS WERE EXCELLENT. THIS NEW PROCESS ELIMINATED ONE TOOL AND THEREFORE REDUCED TOOLING COSTS BY 36%. THE CUSTOMER RECEIVED A TOTAL COSTS SAVINGS OF \$4,761.49 PER

+ PROJECT DATA:

IN ADDITION TO TOOLING COST REDUCTIONS, THE CUSTOMER ALSO SAVED \$0.24 PER PART. THEY WERE CONSIDERABLE PLEASED WITH THE AMEC TOOLING AND WERE ABLE TO CONTINUE THEIR CONTRACT.



*REDUCED
TOOLING
INVENTORY*