



CASE STUDY.

PROJECT PROFILE:

ASC 320[®]

Carbon Steel

An End-user is manufacturing screen plates made out of low carbon steel for the aerospace industry. They are using a Leadwell VMC with 500 PSI through-tool coolant to produce their products.

+ CHALLENGE:

Previously the customer was using a Sumitomo solid carbide drill running at a speed of 6494 RPM and 0.007 IPR. The drill created a 1.20" deep hole with a 0.250" diameter. The drill had a cycle time of 1.58 seconds and a tool life of 325 holes. Looking for improvements, the customer wanted to reduce their cost of production.

+ OUR SOLUTION:

AMEC recommended the ASC 320[®] solid carbide drill item #360E02500821M. They ran the tool at the same speed and feed of 6494 RPM and 0.007 IPR. The results were excellent. The tooling was able to reduce the customer's cost of production by increasing tool life to 400 holes. The ASC 320[®] solid carbide drill created a cost savings of \$66.30 or 6.27%.

+ PROJECT DATA:

Due to the successful performance of the ASC 320[®] tool, the customer was able to increase tool life while lowering their cost of production.



*REDUCED COST
OF PRODUCTION*