

ASC 320®

Case Study: 3001
Industry: Aerospace
Part: Aerospace Fittings
Material: Stainless Steel
Item: 335E04219A21M



The Challenge

The customer is manufacturing aerospace fittings made from stainless steel. They are using a Nakamura-Tome with a Valcool semi-synthetic coolant.

In order to outperform their competition, the customer needed to reduce the cost of production.

The Advantages

The ASC 320® drill not only provided substantial cost savings, but it also improved the hole quality.

- Reduced cycle time from 27 seconds to 15 seconds
- Exceeded the tool life of the Guhring drill
- Increased production by 100,000 parts per year
- Saved \$0.25 per part for an annual savings of \$25,000

Previous Tooling

Guhring drill (3xD 5510 Series)

- 1500 RPM
- 0.003 IPR
- 165 SFM
- Cycle time = 27 seconds

Allied Machine Solution

ASC 320®

- 1800 RPM
- 0.0045 IPR
- 198 SFM
- Cycle time = 15 seconds

