

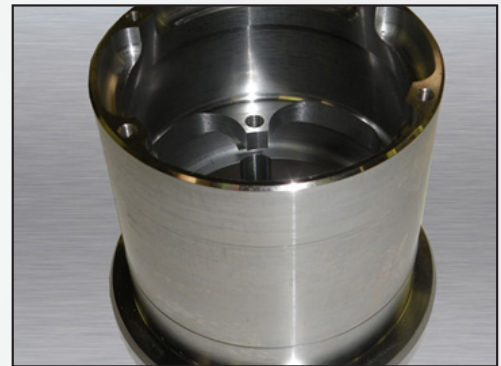


## Gear Actuator Housing: Original T-A®

A customer manufactures ball screws, aerospace actuators, and landing gear actuators for the aerospace industry. In this application, they are using an Okuma VMC with 750 PSI through-tool coolant to machine a gear actuator housing made from cast stainless steel.

Unsatisfied with their current process, the customer needed to increase tool life and reduce the cost of production.

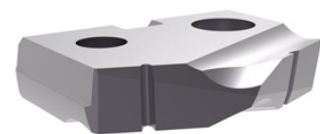
The **Original T-A** drill achieved the customer's goals by increasing tool life while lowering the overall cost of production.



<b>Product:</b> Original T-A® <b>Objective:</b> Increase tool life <b>Industry:</b> Aerospace <b>Part:</b> Gear actuator housing <b>Material:</b> Cast stainless steel <b>Hole Ø:</b> 0.25" <b>Hole Depth:</b> 0.7030"	Measure	Competitor	Original T-A®
	RPM	733	760
	Feed Rate	0.007 IPR	0.008 IPR
	Penetration Rate	5.13 IPM	6.08 IPM
	Cycle Time	15 sec	14.5 sec
	Tool Life	10 holes	40 holes



▶ Original T-A  
Holder: 23010S-100L  
Insert: 1C51A-703



300% tool life increase

### The Original T-A provided:

- ✓ Decreased cycle time
- ✓ Decreased cost
- ✓ Increased tool life

Copyright © 2021 Allied Machine and Engineering Corp.- All rights reserved.