

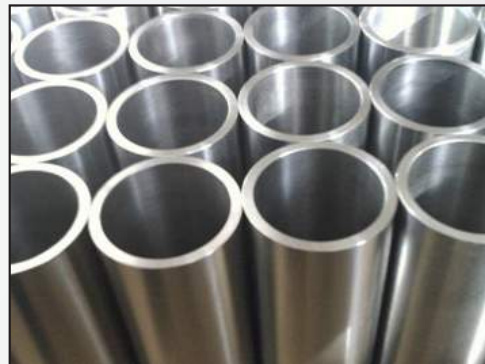


Structural Steel Tubes: T-A GEN2

The customer is machining structural steel tubes for galvanized towers using a custom built air liquid machining center with mist coolant.

The current holders were failing on a regular basis. The customer asked Allied Machine to provide a reliable solution with performance improvements to replace their current tooling

The **T-A GEN2** provided the reliable solution the customer needed.



		Measure	Competitor	T-A GEN2
Product:	T-A GEN2	RPM	800	800
Objective:	Improve performance	Feed Rate	0.004 IPR (0.102 mm/rev)	0.010 IPR (0.254 mm/rev)
Industry:	Structural steel/fabricator	Penetration Rate	3.15 IPM (80.01 mm/min)	8.19 IPM (208.026 mm/min)
Part:	Structural steel tubes	Cycle Time	4.4 sec	1.7 sec
Material:	Structural steel	Tool Life	2100 holes	4000 holes
Hole Ø:	0.709" (18.008 mm)	T-A GEN2 offered 21% cost per hole savings over competitor tooling.		
Hole Depth:	0.236" (5.994 mm)			



- ▶ T-A GEN2 insert
Item No. 451H-18
- ▶ T-A GEN2
Special length holder



90% tool life increase

The T-A GEN2 provided:

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

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