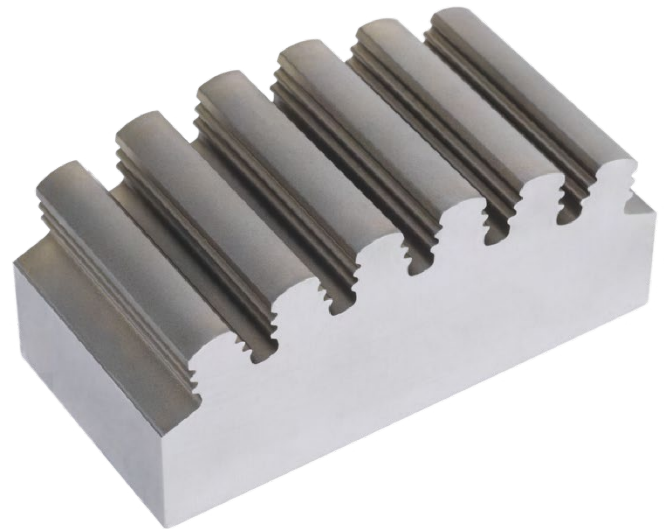


Aerospace Fir Tree

Machine: U6 H.E.A.T. Extreme
Material: 410 Stainless Steel
Thickness: 2.0"
Details: Sealed Off One-Pass Machining

Wire Diameter	Cycle Time
0.010" \emptyset Brass	1 hour, 27 minutes
0.016" \emptyset H.E.A.T.	45 minutes



1.9x Faster Machining Speed (48% Reduction of Cycle Time)

The introduction of 0.016" \emptyset Wire EDM operations for this type of detail and part represents a critical shift in the manufacturing capability for the aerospace industry. With Makino Wire EDM machines and the introduction of 0.016" \emptyset wire, component manufacturers can exceed aerospace industry requirements and reduce manufacturing and labor costs.

Traditionally, turbine disk parts have been manufactured using the conventional broaching method. Broaching requires expensive custom cutters and demands a highly skilled operator. The process also results in extensive tool wear during the roughing process, increasing the costs even more.

The Makino U6 H.E.A.T Extreme Wire EDM machine using 0.016" \emptyset H.E.A.T. wire delivers up to 1.9X faster machining speed than traditional 0.10" \emptyset brass wire technology and lowers manufacturing and labor costs.

To learn more, visit www.makino.com/extreme