

# Helicopter Rotor Machining

## DATASHEET

Trace-A-Matic is a precision machine shop that specializes in machining helicopter rotor hubs. The main rotor or rotor system is a mission-critical assembly that generates the aerodynamic lift and thrust force to power a helicopter, which consists of a mast, hub, and rotor blades. While the tail rotor provides maneuvering function and stability. Trace-A-Matic has the expertise to machine helicopter rotor hubs and assemblies constructed from standard and exotic metals with complex geometry to meet or exceed the most demanding tolerances. We are a trusted Tier 1 supplier of high-quality prototypes and high volume precision metal components to leading OEMs across many industry sectors.

### Helicopter Rotor Hub Types:

- Main
- Tail

**Industry Applications:** Aerospace, Defense, and Military

**Material Types:** castings, forgings, fabricated weldments, billets, bar stock, and plate

**Metal Construction:** aluminum, armor plate, brass, bronze, chromium, copper, gammalloy, Hastelloy, Incoloy, Inconel, Invar, manganese, Monel, nickel, Nitralloy, powdered metals, stainless steel, Stellite, titanium, Waspaloy, and many other superalloys

**Services:** Multi-Axis Machining, 5-Axis Machining, CNC Milling | Vertical and Horizontal, CNC Turning | Vertical and Horizontal, CNC Engineering, CNC Inspection, and Special Processes Integration - Nadcap Accredited

**Certifications:** AS 9100D | ISO 9001:2015 and an ITAR Registered Manufacturer



[traceamatic.com](http://traceamatic.com)

[sales@traceamatic.com](mailto:sales@traceamatic.com)  
262.797.7300



WORLD-CLASS PRECISION MACHINING

Corporate:  
21125 Enterprise Ave.  
Brookfield, WI 53045  
  
7210 Empire Central Dr.  
Houston, TX, 77040