

Industrial Rotor Machining

DATASHEET

High Quality Parts is a precision machine shop that specializes in machining rotor components and assemblies. Industrial rotors are essential devices found in many types of mechanical systems. They serve as engine flywheels storing rotational kinetic energy, the moving part of an electromagnetic system found in industrial electric motors and generators, and as mission-critical aerospace disc braking systems, and the like. High Quality Parts has expertise machining rotors 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.

Industrial Rotor Types:

- Disc Brake
- Electric Motor and Generator
- Engine Flywheel
- Wind, Gas, and Steam Turbine

Industry Applications: Aerospace, Defense, Food Processing, General Industrial, Heavy Equipment, Medical Device, Military, Mining, Oil and Gas, Pharmaceutical, Power Generation, and Transportation

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

Metal Construction: aluminum, armor plate, beryllium, brass, bronze, chromium, copper, gammalloy, Hastelloy, Incoloy, Inconel, Invar, manganese, molybdenum, Monel, nickel, Nitralloy, platinum, powdered metals, stainless steel, Stellite, titanium, Waspaloy, zinc, 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, American Petroleum Institute (API) Specification Q1, and an ITAR Registered Manufacturer



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