



PRECISION PROFILES

PRECISION MACHINING SINCE 1994

Precision Machining Division

CURRENT INDUSTRIES SERVED

**DEFENSE
INDUSTRIAL**

**POWER GENERATION
OIL & GAS**

CORE CAPABILITIES - Precision Profiles excels in the following areas:

Precision Grinding

- 8 precision horizontal surface grinders; 5 customized for **turbine vane manufacturing**
- Precision surface grind steel parts up to 136" in length; 36" in width
- Ability to meet tolerances of +/- 0.001" with surface finish of 35 Ra

Multi-Axis Milling, Machining & Turning

- 4 machining centers (Vertical, Horizontal, Mill-Turn)
- Mill & machine parts up to 85" in length, 30" in width
- Turn and machine parts up to 24" in OD, 60" in length
- Ability to meet tolerances of +/- 0.0002"

Saw Cutting

- 4 Bandsaws (Horizontal & Vertical)
- Ability to meet straight, angle, radius, or angle+radius cut requirements
- Ability to meet tolerances of +/- 0.005"

Wire EDM

- 2 Wire EDMs (Fanuc C400iB and Sodick ALN600G)
- Handle parts up to 21" in length, 12" in thickness
- Ability to meet tolerances of +/- 0.0002"

Efficient Response Times

- Design specs on file for many OEM steam turbine vanes in operation today
- Regularly stock stainless steel alloys such as 403, 405, 410, 415, & 422
- Flexible scheduling; machine versatility; operating 2 shifts

OTHER SERVICES

Precision Profiles has strategic partnerships with companies offering the following:

Magnetic Particle Inspection
CMM Inspection
Forged Rings
Plasma Cutting

Heat Treating
Annealing
Metal Straightening
Waterjet Cutting

ABOUT

Precision Profiles is a custom manufacturer that has been producing high precision metal components for over 25 years. Our Precision Machining division specializes in producing tight-tolerance turbine components for OEMs and other companies within the power generation industry. Our proprietary machining process delivers finished OEM turbine vanes to our customers faster than competitors and at a lower cost, which reduces project costs for our customers and increases their production capacity.

In addition to manufacturing steam turbine components, our Precision Machining division offers a full suite of machining services, including: multi-axis milling & machining, turning, saw cutting, and Wire EDM services. **We are a locally-owned and operated company COMMITTED TO delivering high-quality, high-precision products to our customers, free of defects and delivered on time.**

ISO 9001:2015 CERTIFIED

ITAR REGISTERED

US/CA JCP CERTIFIED

(CAGE CODE Available Upon Request)

DFARS COMPLIANT

NDAA 2019 SECTION 889 COMPLIANT

NIST 800-171 COMPLIANT

CMMC LEVEL II COMPLIANT

SAM REGISTERED

SIX SIGMA EXPERTISE

SMALL BUSINESS

(<50 Employees)