



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

- Fanuc C400iB Wire EDM
- Manufacture parts up to 15" in length; 9" 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 READY

SAM REGISTERED

SIX SIGMA EXPERTISE

SMALL BUSINESS
(<25 Employees)



PRECISION PROFILES

Hollow Machining Division

CURRENT INDUSTRIES SERVED

**STEEL DISTRIBUTION
MANUFACTURING**

**POWER GENERATION
OIL & GAS**

CORE CAPABILITIES



TREPPANNING

- ✓ OD Range = 3 - 32"
- ✓ ID Range = 2 - 16"
- ✓ Max Length = 30 ft (360")
- ✓ ID Tolerance = +0.125"



BORING

- ✓ OD Range = 3 - 32"
- ✓ ID Range = 2 - 26"
- ✓ Max Length = 26 ft (312")
- ✓ ID Tolerance = +0.030"



HONING

- ✓ OD Range = 2 - 40"
- ✓ ID Range = 1 - 26.25"
- ✓ Max Length = 34 ft (408")
- ✓ ID Tolerance = +/- 0.002"

OTHER SERVICES

Precision Profiles has strategic partnerships with companies offering the following:

- Heat Treating
- Plasma Cutting
- Annealing
- CMM Inspection
- Chrome
- Magnetic Particle Inspection
- Waterjet Cutting

ABOUT

Precision Profiles is a custom manufacturer that has been producing high precision metal components for over 25 years. Our Hollow Machining division specializes in trepanning, boring, and honing services for steel distribution centers, OEMs, and companies within the power generation industry. These services add value to raw material in the early stages of the manufacturing process, which reduces project costs for manufacturers and increases their overall production capacity.

In addition to providing these hollow machining services, 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 READY

SAM REGISTERED

SIX SIGMA EXPERTISE

SMALL BUSINESS
(<25 Employees)



Turnaround times of 2 weeks or less for most services