

Crafting Innovation

Across Diverse

Industries

PTX leads with quality. We'll help you meet your cost, schedule, & performance goals.

CNC HORIZONTAL BORING

- 58ft (x), 10ft (y), 5ft (z)
- Ability to handle extremely large products
- Full 8ft x 8ft vertical table
- Allows to bore in small/larae cavities with ease
- Runs on large 25 ton crane capacity

EDM MACHINING

- 12" (x), 10" (y), 8" (z)
- Holding tolerances of ±.0001" up to 12" in length, 10" in width, 8" in height
- Sinker and Wire EDM Capabilities

3D SCANNING & INSPECTION

- Creo 3D Scanner
- Nikon Metrology CMM Arm Scanner

QUICK RESPONSES:

QUALITY DRIVEN:

- Wenzel XO 87 CMM with Scanner
- RAM Optical MVP Sprint Vision System
- Zeiss Eclipse
- 600mmX600mmX400mm CMM

CNC VERTICAL & HORIZONTAL BORING

• 8ft (x), 4ft (y), 5ft (z)

• 5-Axis Universal head eliminates multiple set-ups/operations ability to hold extremely tight tolerances up to .00002'

• 24 tool auto changer

• Spindle speed of 6k+ RPM

Large 20 ton crane capacity

CASTING CAPABILITIES

• Air Set Sand Casting

- V-Process Casting
- Green Sand Casting
- In-House Pattern Engineering Molding

CNC VERTICAL TURNING

- Turning up to 8 ft diameter
- Turning up to 5 ft height
- Single column high speed turning
- High accuracy turning
- Spindle speed 240 RPM
- Large 20 ton crane capacity

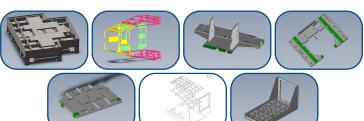
WELDING CAPABILITIES

- D17.1/AMS1595 Missile and Aerospace
- AWS D1.1 Structural Welding Hydrostatic Pressure testing -
- up to 20,000 PSI
- Pneumatic and water leak test capabilities

MATERIAL SPECIALIZATION

- "Stainless-steel nickelbased alloys: 303, 304, 316L, 318, 440, 15-5, 17-4 PH"
- "Specialized Alloys: Inconels,
- Molvbdenum, Kovar, Cobalt,
- Haynes 242, Waspalloy.'
- Standard Materials:
- Copper.

CUSTOMIZED MANUFACTURING SOLUTIONS:



For technical discussions, collaborations, or clarifications, please engage with our engineering team at: info@ptxdefense.com

www.ptxdefense.com

© 2023 PTX DEFENSE

ENGINEERING & REVERSE ENGINEERING: From concept to completion.

We guarantee our product quality.

Why Customers Like Collins Aerospace Love Us

Quotes turned around within 2 business days.

- Poseidon-Gen2 3D Printing technology
- 56"(w), 56"(h), 40"(d) build area • Construct design to most basic metals

3D PRINTING AND MOLDING

Spindle speed of 10,000 RPM & 50,000 RPM live milling • 9-axis live tooling capability

32mm in diameter

• .78" dia x 7.87

OTHER MACHINING EQUIPMENT

SWISS SCREW MACHINING

• Accomodate workpieces up to

- Cycle-Controlled Lathe
- 4-Way Bed Lathe
- Multitasking CNC Lathes
- Precision Deburring
- Waterjet precision cutting
- Laser precision cutting

CLEAN ROOM STORAGE / **VENDOR MANAGED** INVENTORY

- Just In Time Delivery with High Quality Guaranteed.
- 50k sq ft Temp & Humidity Controlled Warehousing.
- State of the art clean room
- Dedicated clean environment

- - - Aluminum, Steel, Titanium, Brass,