



Panther Engineering is an ISO9001:2008 and AS9100C certified precision CNC aerospace machine shop serving the commercial, defense and aerospace industry since 2005. We specialize in CNC machining of complex metal parts, including 3, 4 and 5 Axis machining as well as next level assembly capabilities. Our highly experienced and dedicated staff allows Panther Engineering to continually meet and exceed our customer's quality, delivery and service expectations.

We are committed to providing high quality machined parts, built to your specifications, delivered promptly, at a competitive price.

We use CAD / CAM software (MasterCAM, Autocad, SolidWorks) to design, modify or generate CNC machine programs. We work with STEP, IGES, DXF, STL, MC9, MCX or SLDPRT & SLDDRW file formats, but we are able to convert all other file formats.

We have the ability to manufacture parts when no prints exist from verbal instructions, or by taking workable sample, performing reverse engineering, then transferring the results into our CAD/CAM software to create new part drawings or models.

Industry experience includes: aerospace (SpaceX, Boeing, Lockheed-Martin), Oil & Gas industry (VARCO), Tire molds (Titan International), US Army, US Navy, automotive and motorcycle industries (Harley-Davidson), aluminum molds, tool & die and commercial work.

Machine Shop Equipment:

1. NIIGATA HN 63 CNC Horizontal 4th&5th axis, 25" Pallet, 6500 RPM, Travel: X 40", Y 34" Z 30"
2. Mitsui-Seiki HU 5A CNC Horizontal 4th axis, 25" Pallet, 10,000 RPM, Travel: X 35", Y 39" Z 31"
3. MAKINO MC86 CNC Horizontal 4th axis, 25" Pallet, 4500 RPM, Travel: X 32", Y 25" Z 25"
4. KASUGA CNC Vertical Machining Center, 6000 RPM, Travel: X 50", Y 25" Z 25", 3600 Lb.
5. FEMCO WNCL35 CNC lathe , 22" dia x 24" long
6. Supermax universal milling machine with DRO
7. Harig 918 surface grinder
8. 9" x 16" Horizontal Saw

Maximum part size for milling is 52" x 30" x 30" and 4,000Lb

Maximum part size for lathe is 22" DIA. by 24" long

We machine all metals including aluminum, steel alloys, titanium, inconel, monel, brass, copper and other alloys.

Our ISO9001:2008 and AS9100C certified quality assurance system guarantees that parts are produced and delivered within the specified tolerances. Customer satisfaction is our main priority.

Our calibrated inspection equipment include:

Jones & Lawson Optical Comparator, Block Gage, Bore Gage, Pin gages, Micrometers, Calipers, Height Gage, surface plate and more.

We would like to work with you, give us a try!

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