



15651 N. 83rd Way, #3
Scottsdale, AZ 85260
www.jpsmfg.com

Precision CNC Machining
Aerospace/ Medical / Energy
Prototype to Production
ATMA / NTMA

An Arizona / National Tooling and Machining Association Member

Voice 480-367-9545
FAX 480-607-6817
info@jpsmfg.com

JPS Manufacturing is an ISO/AS9100 registered manufacturer (cert # 1006-65-A). We offer precision machining expertise on a wide variety of materials (castings to bar stock) from plastics and aluminum, steels and stainless to specialty materials like titanium, beryllium copper and Vespel plastic. We provide high quality manufacturing and assembly from prototype to production for aerospace, medical, and energy markets. CAGE: 5G7K6. DUNS: 829870398

Quoting and Job Tracking: M1 (MRP/ERP) software

Engineering 3CAD/CAM stations:

SolidWorks, AutoCAD,
FeatureCAM (including 3D surfacing, tomb-stone multi-part, and live-mill turning capability)
Smart CAM

EDM EQUIPMENT (NEW!)

1 Mitsubishi BA24 (2009) Max workpiece: 41" x 32" x 12" @ 3300 lbs; Max angle: 15°; Wire Dia: .004-.012"

CNC MILLING EQUIPMENT

1 Makino a51 (2007) twin 16" pallets horizontal machining center; Max workpiece (cylindrical config): 23" Dia x 31" height; 11k rpm; FULL 4th axis table, Laser tool setter, Renishaw CMM part probing!
1 Doosan Infracore (Daewoo) DHP-4000 (2007) twin 16" pallets horizontal machining center; Max workpiece (cylindrical config): 23" Dia x 31" height; 14k rpm; FULL 4th axis table, Laser tool setter
1 Fadal 3016 (2005) vertical machining center with 30" x 16" x 20" envelope; 10k rpm; full 4th axis table
1 Fadal 2016 (2000) vertical machining center with 20" x 16" x 20" machining envelope; 7.5k rpm
1 Fadal 4020 (2001) vertical machining center with 40" x 20" x 20" machining envelope; 7.5k rpm
2 Matsuura ES-450H (1999) twin pallet horizontal machining centers with 16"x20" machining envelope; 10k rpm; 1° 4th axis table
1 Mori-Seiki FM-1 (1998) vertical machining center with 22"x16"x18" envelope; 8k rpm; 5C indexer
1 Mori-Seiki FM-2 (1997) vertical machining center with 31"x16"x20" envelope; 8k rpm; full 4th axis table and also a 5C indexer

CNC TURNING EQUIPMENT

1 Hitachi Seiki TS15 (2000) CNC lathe with 6" chuck, 5C collet nose and 1.8" bar capacity
1 Mori-Seiki CL-153M (2000) CNC lathe with live milling (X & Z), 6" chuck, 5C collet nose and 1.8" bar capacity
1 Mori-Seiki SL-200 (1998) CNC lathe with 8" chuck, S26 collet nose and 2.5" bar capacity
1 Mori-Seiki SL-150 (1997) CNC lathe with 6" chuck, 5C collet nose and 1.8" bar capacity
1 Daewoo (1998) CNC lathe with 10" chuck and X.X" bar capacity

SUPPORT EQUIPMENT

1 Bridgeport and 1 Sharp vertical milling machines w/DRO
Tsugami chucking lathe with 1" bar capacity, 6" chucking capacity
TUR engine lathe with 25" dia x 80" between centers
Harig 6" x 12" surface grinder; Lincoln TIG welder; Hobart MIG welder; Cut-off Saw 10" dia

QA EQUIPMENT

GAGetrak Software;
Sheffield D8 CMM: full DCC with PC-DMIS Pro+
Mitutoyo 15" optical comparator; Surface plate 30" x 46"; Supplemented by a comprehensive array of measurement equipment and gages