

UPI Manufacturing Equipment Capabilities List

Waterjet Cutting:

Flow Mach 3 Dynamic Dual-Bed Waterjet (90,000 psi – 100 HP pump) with Active Tolerance Control.

- 6' x 24' Bed

Laser Cutting:

Bystronic Byspeed Pro 3015 w/ ByLaser 4400 Cutting System w/ Regulated Pulsed Piercing (Fastest Laser on the Market)

- Cutting Area 120"L x 60"W x 3.90" H (1.0" Steel / 3/4" Stainless Steel / 1/2" Aluminum)

Forming:

Bystronic Xpert 320 Press Brake (Most accurate Press Brake on the Market)

- 350 Working Tons 14 Foot Bed

Accurpress 7606 60-Ton Press Brake

- 6-Foot Bed.

Welding: (Mig & Tig) In House, AWS QCI certified welding inspector (CWI)

- Lincoln Precision TIG 275 • Lincoln Power MIG 300 (steel and aluminum torches)
- OTC DP-400 Aluminum Welding System • OTC DP-500 Aluminum Welding System

Certifications:

- AWS D1.1, D 1.2, D 1.3 / Ground Combat 12479550 Steel & 12472301 Aluminum / Mil-Std 1941 Metal-Arc Welding of Homogeneous Armor

Machining:

Samsung MCV80 3-Axis Vertical Milling Center w/Cat50 Taper.

- X-66" x Y-32" x Z-25.5" 5,000lb Table Capacity 24 Tool Capacity 10K 25HP Geared Spindle

Toyoda AF1000 3-Axis Vertical Mill with Fanuc Series 18i-MB. Cat40 Taper.

- X-45" x Y-20" x Z-24" 24 Tool Capacity Renishaw OMP60 Touch Probe 12K 20HP Spindle

Kitamura Spark Changer – CNC Vertical Mill

- X-30" x Y-18" x Z-18" Dual Pallet Changer 30 Tool Capacity Renishaw OMP60 Touch Probe 15K 30HP Geared Spindle Blum Laser Measuring System

(1) Manual ACER Mill Cat40 Taper with X & Y Axis Power Feed Table Digital Readout Direct Drive Spindle

(2) Manual ACER Mills with X Axis Power Feed Table Digital Readout Direct Drive Spindle

Toyoda FH450S 4-Axis Horizontal Mill with Fanuc Series 31i Cat40 Taper.

- X-24" x Y-24" x Z-18" Dual Pallet Changer w/ Hydraulic Clamping 61 Tool Capacity Renishaw OMP60 Touch Probe 12K 30HP Spindle

(1) OKK HM500S 4-Axis Horizontal Mill with Fanuc Series 310is Cat40Taper.

- X-21" x Y-24" x Z-25" Dual Pallet Changer 60 Tool Capacity 12K 30HP Spindle

Doosan Puma 240M CNC Turning Center with Live Tooling & Fanuc Series 21i.

- 10" Chuck 13.8" Max Turning dia. 26" Between centers 12 Tool Capacity 145 psi Coolant-Through

Quality:

Zeiss CMM (Coordinate Measuring Machine)

- Measuring Area: 95 x 48 x 40” Calypso programming Software

Starrett Rapid Check CMM (Coordinate Measuring Machine)

- Measuring Area 6’ x 4’

Micro-VU Vision Inspection System

- Measuring Area 18” x 17” x 11”

Various Gauges and QC Support Measuring Instruments.

Rockwell HR-150A Hardness Tester.

Engineering Software:

SolidWorks 3D Design CAD

MasterCAM 2D / 3D

GibbsCAM 2D / 3D

Various Manufacturing Support Equipment:

- Band Saw Horizontal & Vertical
- Buffers
- Drill Press
- Grinders
- Mart 40” x 48” Sandblaster
- Programmable Part Marking
- Parts Washer

Military Grade Labeling. ♦ RFID Equipment. ♦ Bar Coding.

Military Grade & Commercial Packaging ♦ Shrink Wrapping ♦ DoD WAWF

ISO 9001:2008 Certified. ♦ ITAR Registered ♦ Six Sigma (6σ) Black Belt. ♦ Continuous Improvement.

DEEDS. NOT WORDS.

www.upimfg.com

UPI Manufacturing is Native-American Owned.

“May God protect those who protect us.”

▶▶ 2010 WI Governor’s Federal Contractor of the Year Award Winner ◀◀

▶▶ 2009 DLA Outstanding Readiness Support Award Winner ◀◀

▶▶ DSCC Supplier Excellence Gold Award Winner: 2006, 2007, 2008, & 2009; Silver Award Winner 2010 ◀◀

▶▶ DLA Innovative Business Performer of the Year 2006 & 2009 ◀◀