WELCOME TO UPI MANUFACTURING

CAPABILITIES BRIEFING



DEEDS. NOT WORDS.

UPI Manufacturing Day

GOVERNOR SCOTT WALKER PROCLAIMS NOVEMBER 1, 2012 AS UPI MANUFACTURING DAY!



PRESENTED BY
LT. GOVERNOR REBECCA KLEEFISCH





UPI's History

UPI Manufacturing was founded by brothers,
Jeff and Norb Dretzka in response to the September 11th attacks.
With 20 years of successful management expertise in their construction business, Jeff and Norb responded with their skills to assist in our country's safety.

UPI Manufacturing was created to provide our Warfighters with quality components and turn-key fabrications helping soldiers to survive and win the most difficult of missions.

UPI Manufacturing's dedication and tenacity in this mission has made UPI one of the most reliable manufacturers of its' kind.



Capabilities and Core Competencies

- •Rapid Manufacturing
- •Engineering Services
- •Fabrication
- Welding
- •Service and Production Parts

- Product Development
- •CNC Machining
- •3-D Machining
- •Water Jet / Laser
- Cutting
- Complex Assembly
- •Mil-Spec Packaging
- •Turn-key services including: heat treating, plating, paint (E-coat, powder and liquid; including CARC)







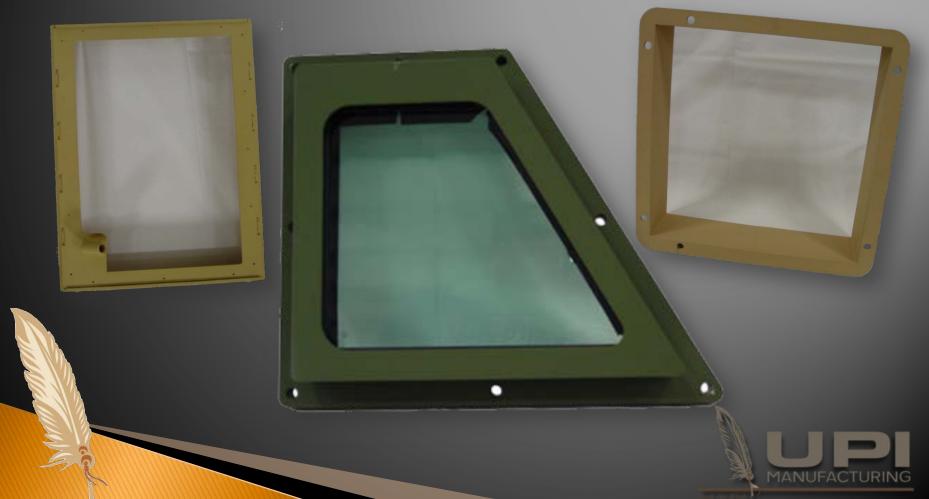




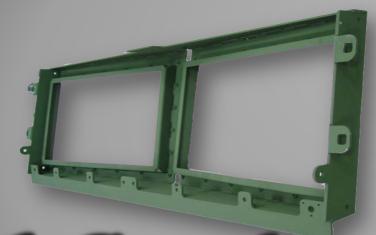




Proven Expertise in Turn-key Ballistic Windows







Expertise With Complex Window Frames







Complex Fabrications





UPI Manufacturing contracted with Rock Island Arsenal provided 38,456 HMMWV Door Kits. Each door consists 86 components.





The Octopus Custom Assembly Station Engineered to meet Customer Requirements



RAPID MANUFACTURING

Total Project Management from concept to completion

Complete Engineering Services
Degreed Engineers on Staff

Fast Development

C Daliza

Delivery







Rapid Manufacturing

Concept to Completion



Complete Project Maintenance

Complete Retro-fit to Meet

Customers Custom Requirements

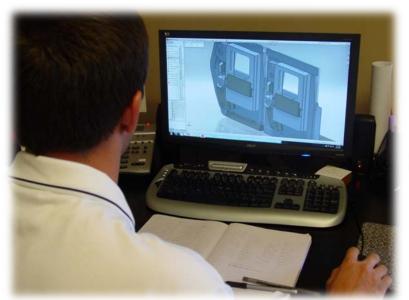


Turn-Key Responsibility

On Going End User Involvement

Design Development on the Fly







UPI Manufacturing utilizes Solidworks CAD software and can convert a variety of other software.

- GibbsCAM version 9.5.1 programs CNC machines. MasterCAM is also used.
- Allows full 4-Axis programs in any machining center.
- Includes full turning center capabilities including C-Axis milling/drilling.
- Compatible with other CAD systems.



First Article Testing



ISIRs PPAPs



"The Key": Thorough Documentation and Paperwork





Versatile Material Capabilities

- Mil A 12560 Armor Steel
- Mil A 46100 Armor Steel
- Mil DTL 46177 Armor Steel
- MIL DTL 46027 Aluminum Armor
- Mil DTL 46063 Aluminum Armor
- Steel (Carbon)
- Stainless Steel

- Cast Iron
- Aluminum
- Rubber
- Plastics
- Composite
- Glass
- Inconel
- Monel







Major Equipment

Bystronic BySpeed Pro

Fastest laser on the market!



BYSTRONIC
BYTOWER
(11) SHEET
STORAGE
LOCATIONS

BYSTRONIC BYTRANS EXTENDED SHEET HANDLING ROBOT



Bystronic Xpert 320 Press Brake

Most Accurate Press Brake on Market



Bystronic Xpert 320

- * 350 Working Tons
 - * 14 foot Bed
- * 6-axis Back Gauge
- * Proportion Hydraulic Crowning
- * Hydraulic Tool Clamping
- * Fast Bend Safety System
 - * Optical Bend Guiding System



ISO CERTIFIED

Zeiss CMM

(Coordinate Measuring Machine)

Amazingly Fast and Accurate to .0001"





ZEISS Accura II

- ■Measuring Area: 95 x 48 x 40"
- ■Travel Speed (x&y): 800 mm/s
- Acceleration (x&y): 2000 mm/s/s
 - **■**CNC Drive –

program and walk away

- Scanning Probe
- Calypso Software
- ■ViScan Camera Vision System



TOYODAAF 1000

CNC Vertical Machining Center

3 Axis
20 HP
Cat 40 taper
24 tool Cap
Renishaw Probe



SFLOW 3-AXIS?

UPI's Water Jet is equipped with the latest Eco-Friendly cutting technology and provides unbeatable accuracy, speed and flexibility.

90,000psi = : \ue Capable. Quick. 100 HP 1800 mph Jreen. Twin Bed UP MANUFACTURING ISO CERTIFIED

Doosan Puma 240 M CNC Lathe



LVE TOOL WITH COOLANT THROUGH



Kitamura Spark Changer CNC Vertical Mill



4 Axis
15000 RPM
Twin Pallet
30 HP Geared Head
Cat 40 taper
30 tool Cap
Blum Laser
Renishaw Probing



Toyoda FH450S Horizontal Mill CNC Vertical Mill



4 Axis
Twin Pallet
30 HP
Cat 40 taper
61 tool Cap
Hydraulic Clamping
Renishaw Probing



(4) OTC DP-400 Welding Systems

Welds Aluminum, Armor, and Steel





400 and 500 amp Wire Feed MIG Welding



OKKHP500S

Horizontal Machining Center

4 Axis
Twin Pallet
30 HP
Cat 40 taper
60 tool Cap



Samsung IVICV80 CNC VERTICAL MACHINING CENTER

Huge Bed
67"x 32"x26"
3 Axis
25HP geared
Cat 50 taper
24 tool Cap



Welding Capabilities & Equipment

Welding Capabilities

AWS Certified: D 1.1 / D 1.2 / D1.3 / B2.1

UPI Manufacturing has managed welding requirements for US Government Ground Combat Vehicle Welding Codes 12479550 (Steel) for Non-Critical, Critical and Ballistic along with 12472301 (Aluminum)

Mil-STD 1941 Metal Arc Welding of Homogenous Armor, In-house certifying capabilities.

We also have our own in house CWI.



Certifications/Quality Systems

- ISO 9001-2008 Certified and Registered.
 - Six Sigma Continuous Improvement (Black & Green Belt.)
 - Mutually defined requirements and conformance to specifications.
- Multiple Awards won for defect free and on-time deliveries.



Verisys Registrars®

International Accreditation Board

IAB Accreditation #7C558984

Helpful Auditing

Certificate of Registration

The Quality Management System of

UPI Manufacturing

S87 W35670 Godfrey Lane Eagle, Wisconsin 53119 USA

has been assessed and certified by Verisys Registrars as meeting the requirements of

ISO 9001:2008

for the following scope of registration:

UPI Manufacturing is an innovative manufacturer of high quality components used by the United States Military and other commercial organizations.

Certificate Number:

Original Approval 8/28/2009 Certificate Issued 8/26/2012

Certificate Expires 9/25/2015

U082809

The use of this certification mark indicates accreditation in respect to those activities covered by registration Certificate Number: U082809

On behalf of Verisys Registrars - Rick Breden, President

This approval is subject to the company maintaining its management system to the required standards which will be monitored by Verlays Registrars.

Award Winning Consistently on-time

100% Defect-Free











Classifications:

■ Native American-owned. Lac Court Oreille tribe is one of the seven Wisconsin bands Ojibwa (aka: Chippewa.)

Small Disadvantaged Business.

UPI is a reliable partner for companies meeting government-mandated requirements for minority firms.

We perform to keep our commitments and never lose sight of the Warfighters we assist in the field.

DFARS / ITAR / CCR / JCP / ORCA Registered



UPI MANUFACTURUNG KEY PERSONIEL

- JEFF J. DRETZKA "CHIEF" CEO
- JEFF D. DRETZKA –VICE PRESIDENT
- TERRY PAPE VICE PRESIDENT OF SALES
- ANGELA MATTSON DIRECTOR OF SALES
- MICK MILLER DIRECTOR OF OPERATIONS
- JUSTIN TREUER QUALITY MANAGER
- MICHAEL SHOWALTER PRODUCTION MANAGER





MOTIVATED BY PATRIOTISM. EMPOWERED BY GOD. COMMITTED TO VICTORY.

DEEDS. NOT WORDS.



CONTACT US TODAY!

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