



UNITED PRECISION PRODUCTS

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PRECISE. PROVEN. DEDICATED.

# RIGHT

A man wearing safety glasses and a dark t-shirt is focused on working on a precision aerospace component in a factory setting. The background is blurred, showing industrial equipment and lighting. The overall scene conveys a sense of precision and expertise in manufacturing.

PRECISION AEROSPACE COMPONENTS  
MANUFACTURED TO THE HIGHEST QUALITY.

MAJOR OEMS, THE FEDERAL GOVERNMENT, AND  
INDUSTRY DISTRIBUTORS RELY ON OUR 70+ YEARS  
OF USA-BASED MANUFACTURING EXPERTISE.

# THE FIRST TIME



**WE DELIVER TO YOUR SPEC  
WHEN DEMAND IS CRITICAL.**

## **MACHINING/FORMING**

- High grade bar stock
- State-of-the-art equipment
- Precision components:  
fasteners, inserts, pins, & studs

## **QUALITY CONTROL**

- AS9100
- ISO9001
- QSLM: Class 2A & 3A Fasteners
- ITAR Compliant & Registered

## **THE UPP ADVANTAGE**

- Minimize costs through  
efficiency gains
- Fast turnaround
- No minimum quantity



# INVENTORY

LARGE INVENTORY OF OVERSIZED AND REPLACEMENT PARTS WHEN YOU NEED THEM.

## SUPERIOR MANUFACTURING CAPABILITIES

UPP's manufacturing capabilities exceed 150,000 part numbers. These capabilities represent a broad range of standard and specialty machined precision aircraft engine fasteners and related hardware, including:

- Adapters
- Adjusters
- Bolts
- Bushings
- Clevises
- Collars
- Dowels
- Inserts
- Keys
- Nuts
- Pins
- Plugs
- Push rods
- Retainers
- Rollers
- Safety wire
- Screws
- Sleeves
- Spacers
- Spring seats
- Studs
- Thrust washers
- Tube connectors
- Valve seats

# ON DEMAND



## PRIMARY MACHINING CAPABILITIES

- 2: Citizen (A32 & L32), 7-axis CNC swiss lathes
- 2: Hardinge Elite, 4-axis CNC lathes
- Viper CNC lathe with 4' bar feed
- 4: Mori Seiki CNC turning centers
- 3: Acme Gridley multi-spindle machines
- 15: Brown & Sharp screw machines
- 3: TRAUB screw machines

## MILLING, DRILLING, & TAPPING EQUIPMENT

- HAAS CNC milling center
- Kent-Owens/Ex-Cell-O horizontal & vertical mills
- Kaufman lead screw tapper

## GRINDING EQUIPMENT

- Cinco/Cincinnati thru-feed, in-feed, & profile
- Brown & Sharp, Landis OD grinders
- DedTru OD grinder

## THREAD ROLLING EQUIPMENT

- Reed/Waterbury Farrel #20 & #30
- Round, flat, & tri-roll capabilities



**LOOK NO FURTHER FOR A  
TIMELY AND RELIABLE SOURCE FOR  
“HIGH PRIORITY” PARTS DELIVERY.**



# EXPERIENCE



OUR LOW EMPLOYEE TURNOVER AND LONG-SERVING  
MANAGEMENT DEMONSTRATE OUR RELENTLESS  
COMMITMENT TO PROCESS IMPROVEMENT.

# DEDICATION



A LEGACY OF PRECISION  
MANUFACTURING MAGNIFIED BY THE  
HIGHEST STANDARDS OF QUALITY.



## WE DELIVER

We produce thousands of standard and specialty precision machined parts for the aerospace industry—every single day.

## THE PERFECT PARTNER

If quality, delivery, pricing, production capacity, and parts diversity drives your purchasing decisions, it is time to call UPP.

## PURSUING PERFECTION

AS9100 and ISO9001 certified, we provide unsurpassed quality paired with competitive cost and delivery times.





# QUALITY



**THE MOST CHALLENGING REQUIREMENTS OF EVERY CUSTOMER IN ONE SYSTEM.**

## OEM QUALIFICATIONS

UPP continually works within the requirements of numerous OEM quality programs including: LCS/MCL (UTC), SABRe (Rolls Royce), Bell Helicopter and the US military, SPOC (Honeywell), and more.



# MATTERS

- Control and oversight of all manufacturing processes by requiring first piece inspections at every manufacturing step providing quality “at the source”
- By using only approved sources for all outside processes
- As required, UPP provides Statistical Process Control (SPC) for critical processes
- Continuous improvement and waste elimination for all process steps (PROP)
- Extensive independent “over-checking” of product conducted by approved testing laboratories
- Strict adherence to international standards for AS9100 and ISO9001
- Successful completion of the Defense Contract Management Agency’s Annual Surveillance Audit and Statement of Qualification for QSLM and Government’s ISO Certification program
- Retention of highly skilled and dedicated work force



**OUR “BEST OF THE BEST” PHILOSOPHY ENSURES THAT WE NOT ONLY MEET YOUR EXPECTATIONS, BUT EXCEED THEM.**

# UPP PROCESS

OUR PROCESS REVIEW OPTIMIZATION PROGRAM (PROP) IS HOW WE ENSURE OUR PARTS ARE RIGHT THE FIRST TIME.



All UPP parts begin with our proprietary Process Review Optimization Program. PROP was developed to optimize product and process flow through the various stages of manufacture, measurement, and quality control on our factory floor.

PROP brings manufacturing, engineering, and quality together to realize manufacturing efficiencies, lowering cost and locking in quality. It's how we have kept getting it right for over 70 years.



# OPTIMIZATION



## EQUIPMENT LIST

- 2: Citizen (A32 & L32), 7-axis CNC swiss lathes
- 4: Mori Seiki CNC lathes w/bar feeds (4' & 12')
- 2: Hardinge Elite II 8/51, 4-axis CNC lathes
- 2: Hardinge lathes
- Viper CNC lathe with 4' bar feed
- Jet lathe
- 4-axis HAAS CNC vertical milling center
- 3: 1-14 & 2-20 Kent-Owens horizontal mills
- 3: Bridgeport mills
- 1" Acme 6-spindle screw machine
- 2: 2 5/8" Acme 6-spindle screw machines
- 4: B&S Ultramatic screw machines
- 10: B&S #2 screw machines
- 00 B&S screw machine
- D2 & D4 Escomatic wire screw machines
- 3: 25a TRAUB screw machines
- Kaufman lead screw tapper
- B-112 Reed thread roller
- 2: #20 Waterbury thread rollers
- 2: #21 Reed thread rollers
- #30 Waterbury thread roller
- 5: Cincinnati #2 centerless grinders
- 18" automatic surface grinder
- Boyar Schults surface grinder
- 2: Chevalier surface grinder
- Esrea centerless grinder
- 9: Pedestal grinders
- DedTru OD grinder
- Landis OD grinder
- #13 B&S OD grinder
- Sunnen honing machine
- Grit blaster
- 2: Parts tumblers
- 2: CNC dot peen marking machines
- Manual stamp marking machine
- 3: Electronic parts counters
- Keyence image dimension measuring system w/0.00008" resolution
- 4: Optical comparators
- 2: Hardness testers
- 10: Mikrokators - swedish amplifiers 0.00001" to 0.000025" resolution

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