PAMCO

INNOVATION

COMMUNITY

TEAMWORK

EXCELLENCE

PRECISION AIRCRAFT MACHINING CO., INC.

10640 ELKWOOD STREET
SUN VALLEY, CA. 91352
WWW.PAMCO-INC.COM
PHONE: (818) 768-5900
FAX: (818) 768-1409

2015
“We are in business for our customers”

Donald Pisano, President
Precision Aircraft Machining Co., Inc.
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I would like to introduce you to PRECISION AIRCRAFT MACHINING CO. INC. dba PAMCO, a young aggressive, family owned, small business.

PAMCO is “Big enough to perform” on just about any size order but, “We’re small enough to care” about our customers.

PAMCO has been continuously audited and Certified to AS9100, ISO 9001, AS7003, AC7112 and AC7112/2 since 2002 along with various other Primes.

With today’s emphasis for quality and on time deliveries, PAMCO offers a modern high tech machine shop, which operates 20 hours a day and covers more than 22,000 square feet. PAMCO produces some of the finest products in today’s marketplace with highly precision parts and rapid deliveries.

Our machine shop is supported by the Quality Assurance requirements of AS9100 Revision C, with first article, in process and final inspections. Our thread inspections meet all the requirements of AS 8879, MIL-S-7742, ANSI/AMSE A1.3M and handbook H-28. Inspection procedures also include the use of Laser Lab 3D version part inspection system, JOHNSON GAGES and optical comparators.
We manufacture AS, MS, NAS and AN hydraulic tube fittings, flared and flareless. We also manufacture Customer Proprietary Designs or Customer Controlled Standards and Specials. Alloys available are Titanium, Inconel, Monel, Carbon Steel, Aluminum and all Stainless Steels including 431, 15-5 PH and 17-4 PH.

Parts are made to order per customer request with small quantities of most part numbers maintained in stock. Pamco maintains an inventory of over 6,000 items. We manufacture parts for customers such as Boeing, Bell Helicopter, Textron, Lockheed Martin, Northrop Grumman, Litton Industries, Bombardier, Embraer, Gulfstream, Essex Cryogenics, Parker Stratoflex, Cessna Aircraft, Raytheon Aerospace, Beech Aircraft, Crane Resistoflex, DefenseSupplyCenter, Columbus (DSCC) and many others.

Lead times can vary from weeks to just days in the event of an AOG or a Customers critical need. Rush jobs or Expedited deliveries are always welcomed at PAMCO.

In our excellent short run shop we can run from just a few to hundreds in days instead of months.

We also carry a large inventory of raw material and forgings to be able to respond quickly. All material is DFAR compliant and certified.

Please call, fax or e-mail your requirements to our sales office and “Thank you” for taking time and allowing me to offer my company to you.

Sincerely yours,
Donald A. Pisano, President
Precision Aircraft Machining Co. Inc.
In accordance with SAE Aerospace Standard AS7003, PAMCO was accredited since 2002 and granted inclusion into the Performance Review Institute’s (PRI) Qualified Manufacturer List (QML) by the Nadcap Management Council. PAMCO is also listed on the QML for the following Specifications:

- AS4444  Fittings, 24 degree Cone Flareless, Fluid Connection, 5000 psi
- AS4841  Fittings, 37 degree Flared, Fluid Connection
- AS4842  Fittings and Bosses, Pipe Threaded, Fluid Connection.
- AS4842/1 Fittings, 37° Flared to Pipe Threaded, Fluid Connection.
- AS4842/2 Fittings, Flareless to Flared to Pipe Threaded, Fluid Connection.
- AS4843  Fittings, Beaded, Fluid Connection.
- AS4843/1 Fittings, Beaded to 37 degree Flared, Fluid Connection.
- AS4843/2 Fittings, Beaded to Pipe Threaded, Fluid Connection.
- AS4875  Fittings, Straight Threaded Boss or Flanged, Fluid Connection.
- AS4875/1 Fittings, Straight Thread Boss or Flanged to 37 degree Flared, Fluid Connection.
- AS4875/2 Fittings, Flanged to Beaded, Fluid Connection
- AS18280  Fittings, 24 degree Cone Flareless, Fluid Connection, 3000 psi.
- AS85421  Fittings, Tube, Fluid Systems, Separable, Beam Seal, 3000/4000 psi.
- General Fittings and Other Machined Components
We manufacture AS, MS, NAS and AN hydraulic tube fittings, flared and flareless. Alloys available are Titanium, Inconel, Monel, Carbon Steel, Aluminum and all Stainless Steels including 431SS, 15-5 PH and 17-4 PH.

PAMCO has been certified thru PRI Registrar to AS9100C and ISO 9001 2008 in June 2012 and have been continuously since certified since 2002. In addition, PAMCO has been accredited to AC7112 and AC7112/2 since 2002.

PAMCO is a qualified source of, and is listed on the Performance Review Institute’s (PRI) Qualified Products Listing (QPL) for the AS18280 Procurement Specification for Fittings, 24 degree Cone Flareless, Fluid Connection, 3000 psi. Below is a list of parts that PAMCO has been approved for as of January 2012 made out of Corrosion Resistant Steel, Titanium, Aluminum, 15-5 PH and Low Alloy Steel in bar and forging.

- QPL AS18280
- AS1001 thru AS1010, sizes -04 to -24
- AS1792, sizes -04 thru -20
- AS21900, sizes -04 thru -24
- AS21902, sizes -04 thru -24
- AS21904 thru AS21916, sizes -04 thru -24
- AS21921, sizes -04 thru -24
- AS21923 thru AS21926, sizes -04 thru -24
- AS21937 thru AS21945 sizes vary (*see below)
- AS24405, sizes vary (*see below)
- AS24651 thru AS24652, sizes -04 thru -24
- AS4130 thru AS4141, sizes -04 thru -24
- AS5230 thru AS5232, sizes -04 thru -24
- AS5238 thru AS5242, sizes vary (*see below)
- AS6041 thru AS6050, sizes -04 thru -24
- QPL AS85421
- AS85421 /3 thru /17 in Titanium, sizes 04, 06, 08, 10
- AS4213 in Titanium, sizes 04, 06, 08, 10
- AS4214 in Titanium, sizes 04, 06, 08, 10

(* Please contact PAMCO for your specific sizes)

We manufacture AS, MS, NAS and AN hydraulic tube fittings, flared and flareless. Alloys available are Titanium, Inconel, Monel, Carbon Steel, Aluminum and all Stainless Steels including 431, 15-5 PH and 17-4 PH.

PAMCO is continuously testing new part numbers so if you don’t see a part number you’re looking for, please contact PAMCO for the latest information.
If you ask Don Pisano, president and founder of PAMCO, to tell you about his company, he’ll say, “Don’t ask me about PAMCO… ask our customers.” This one statement speaks volumes about the man and the company he created.

Don got interested in the aircraft business in the 1950s while working on Pratt & Whitney aircraft engines. He got a job modifying aircraft hardware in Sun Valley, California, where he learned the art of precision machining. A few years later, with money borrowed from a friend, Don started D.A. Pisano Company in his garage and continued working on P&W engine parts. In 1962, he moved his growing business into a small shop in Sun Valley where he ran his company for many years.

By 1979, Don and two partners were running a company called Cal Fittings, which bought and sold aircraft parts. Don wanted Cal Fittings to start manufacturing precision aircraft fittings, but his partners said, “No.” Saying “No” to Don Pisano is like throwing down a gauntlet. Challenges are his inspiration for action. So Don set out to build another business…and PAMCO was born.
In that same year, PAMCO acquired manufacturing equipment for its recently completed 6,800-square-foot building in Sun Valley. With twelve employees, and Don’s expert leadership, PAMCO began producing top-of-the-line-aircraft fittings. “The 1980s were tough years,” says Don, “but hard work and close attention to customer needs saw us through and helped to create the success that is PAMCO today.”

Indeed, PAMCO’s success is amazing. PAMCO achieved Performance Review Institute’s “Qualified Products Listing” (QPL) for -4, -5, -6, -8, -12, -16 & -20 and -24 in Aluminum, Stainless Steel, Low Carbon and Titanium materials starting in the early part of 2002 and still continuing today. This QPL is for flareless fittings procured under AS18280 (MIL-F-18280) requirements. PAMCO occupies over 22,000 square feet in Sun Valley, employs a work force of over 60, and operates 20-hours-a-day with two shifts.

What is the secret of PAMCO’s success? “It’s no secret,” Don explains. “We just do things right. We’re constantly looking for ways to improve our service to our customers. We plan to increase our QPL items in flareless fittings and expand our size ranges in our product line”.

PAMCO’s future is firmly rooted in its past. “Based upon our reputation alone,” says Don, “we will maintain existing relationships as new business joins our family of loyal customers.” PAMCO will continue to grow and prosper because, as Don likes to say, “We’re not in business for ourselves … we’re in business for our customers.”

Don’s dedication and determination is instilled in each and every employee. From Management to Maintenance, from Machinist to Shipping Clerk, Quality and Customer come first.
PAMCO IS APPROVED FOR AS85421 BEAM SEAL FITTINGS

In December 2014 PAMCO was granted approval and accepted into SAE G3 Qualified Product Group (QPG) for the AS85421 BEAM SEAL STANDARD.

PAMCO is pleased to announce inclusion into PRI Qualified Product Listing (QPL) for the Procurement Standard AS85421.

Please check with PAMCO for more additional information as we will be adding to this QPL listing soon.
PAMCO RECEIVES ISO 9001:2000 & AS/EN 9100-C CERTIFICATION

Continuous since 2002, PAMCO has been Certified to SAE standard AS9100 and ISO9001.

AS9100 and ISO9001 Certifications are yet another step in the ongoing pursuit of excellence at PAMCO, and sets metrics in place for quality, production, cost accounting and many other aspects of modern business management.

These tools along with Don’s expert leadership, sets PAMCO apart from the rest. It also sets the standard throughout PAMCO for increased efficiency and enhanced value as a result of AS9100. Let us show you what we can do for you.

In 2011, PAMCO joined with Performance Review Institute (PRI) Registrar to conduct our AS9100 and ISO9001 audits.

In May, 2012 PAMCO received AS9100 REV C and ISO9001 Certification through PRI REGISTRAR.

PAMCO RECEIVES AS7112 & AS7112/2 CERTIFICATION

Since 2002, NADCAP's Management Council in accordance with SAE Aerospace Standard AS7003 has Accredited PAMCO to AC7112 (Accreditation Program Requirements for Fluid Systems Components) and AC7112/2 (Accreditation Program Requirements for Fittings and Other Machined Components). This Accreditation allows PAMCO inclusion into the Qualified Manufacturers List (QML) governed by Performance Review Institute (PRI) and is joined by only a handful of American Manufacturers that have attained this level of qualification.

In 2011, PAMCO joined with Performance Review Institute (PRI) Registrar to conduct our NADCAP audits.

In December of 2011, PAMCO was Re-Certified in accordance to AS7003 to maintain our QML status.

With PAMCO’s commitment to the Quality and reliability of our fluid systems components, Qualifications and Re-Qualification Tests of products continuously, and Customer support we feel that PAMCO is your best choice. “PAMCO is big enough to perform but small enough to care”. Trust the team at PAMCO to deliver TOP QUALITY HARDWARE made to specification at VERY COMPETITIVE PRICES with DELIVERIES in WEEKS NOT MONTHS.

Please call, fax or email us today to see what we can do for you..
PAMCO GOES ONLINE

http://www.pamco-inc.com
PAMCO works closely with our US and international customers to really understand their needs. Armed with this knowledge, we strive to produce some of the finest fittings in today’s marketplace with highly precision parts and rapid deliveries.

Some of our customers include:

- Boeing Aircraft Company
- Lockheed Martin
- Fairchild
- Bombardier
- Canada Air
- De Haviland
- Auburn Technologies
- Embraer Air
- Flowserve
- Teleflex
- Titeflex
- Stratoflex
- Cessna Aircraft
- Beech Aircraft
- Litton Life Support
- Raytheon
- Allied Signal
- Honeywell
- Sikorsky
- Bell Helicopter Textron
In order to meet and exceed customer expectations, PAMCO consistently makes improvements and will continue to produce some of the finest fittings with superior quality. All materials are DFAR complaint and certified. Some of the common materials for bar, plate and forgings of our products include but not limited to:

**ALUMINUM ALLOYS**

- 2014-T6 per AMS 4121, AMS4133
- 2024-T6 per AMS-QQ-A-225/6 or AMS4339
- 2024-T851 per AMS-QQ-A-225/6 or AMS4339
- 6061-T6 per QQ-A-225/8
- 6061-T651 per AMS4117
- 7075-T73 per QQ-A-225/9 or AMS4141
- 7075-T7351 per AMS4124
- 2024-T351 or T4 wire per AMS-QQ-A-225/6 or AMS 4120
STAINLESS STEEL ALLOYS

- 15-5PH per AMS5659
- 17-4PH per AMS5643
- 300 Series Wire per ASTM-A-580, or AMS5637
- 300 & 400 Series per AMS-QQ-S-763, AMS5639, AMS5645, AMS5648 and AMS-S-18732
- A286 per AMS 5732 or AMS5737

AIRCRAFT STEEL ALLOYS

- 4130 per AMS6370
- 4140 per AMS5626
- 12L14 per ASTM-A-108
- C1137 per ASTM-A-108

BRASS ALLOYS

- Alloy 360 Half Hard
- Alloy 377

TITANIUM

- 6Al-4V per AMS4928 and AMS4965

ALUMINUM ALLOY CASTINGS

- ASTM-B-108-99

If you don’t see the material or material specification you’re looking for, please contact PAMCO for assistance.
CNC TURNING MACHINES

- (1) Nakamura-Tome TW-20MM CNC Lathes • 10.6” x 7.6” Cap
- (3) Nakamura-Tome TW-20 CNC Lathes • 10.6” x 7.6” Cap
- (4) Nakamura-Tome TW-10MM CNC Lathe • 8.3” x 6.1” Cap
- (3) Nakamura-Tome TW-10 CNC Lathe • 8.3” x 6.1” Cap
- (2) Takisawa TC-350 L5 CNC Lathes • 10.8” x 20.1” Cap
- (2) Takisawa TC-20 CNC Lathes • 9.5” x 12.0” Cap
- (3) Takisawa TCC 2000 CNC Lathes
- (2) Takisawa TCN 2000 CNC Lathes
- (2) Takisawa TCN 2500 CNC Lathes
- (1) Daewoo Puma 8S CNC Lathe • 14.1” x 14.6” Cap

CNC MILLING MACHINES

- (2) Brother S700 X 1 CNC Machining Center
- (1) Fadal VMC-15 CNC Mill • 20.0” x 16.0” x 20.0” xyz Cap
MANUAL MACHINES

- (1) Andes Engine Lathe • 12.0" dia Cap
- (1) Webb Enging Lathe • 17.0" x 40.0" Cap
- (8) Crozier Speed Lathes • 1.0" dia Cap
- (4) EMI-MEC Auto Sprint Series E Automatic Chuckers

SUPPORT EQUIPMENT

- (1) Chicago Drill Press • 5 Speeds
- (1) CTT Tool Radial Drill • 1.25" Cap
- (1) Duracraft Drill Press • 12 Speeds
- (1) Chicago Drill Press • 12 Speeds
- (1) Sunnen Honing Machine
- (4) Pedestal Tool & Cutter Grinders
- (2) Pedestal Diamond Wheel Grinders
- (2) Amada HA 250 Band Saws +A32
- (6) Burr-King Belt Sanders • 1.5" x 60.0"
- (3) Craftsman Belt Sander • 1.0" x 42.0"
- (2) UNI-Hone Bead Blasters
- (1) Hyster 4,000 lb Forklift

QUALITY CONTROL SOFTWARE

- Gage Track

3D INSPECTION SYSTEM & OPTICAL COMPARTORS

- (1) Laser Lab 3D version part inspection system
- (1) Sherr Tumico Optical Comparator • 50x
- (2) Micro-Vu Optical Comparators • 50x

OTHERS

- (1) Flexbar Phase II Hardness Tester
- (1) Standridge Surface Plate • 36.0" x 48.0" • Grade AA
- (1) Surface Plate • 18.0" x 24.0" • Grade AA
- (1) Fowler Gage Block Set • Grade (3)
- (1) Set Meyer Gage Pins • .011 thru .832 dia
- (3) Mitutoyo Height Gages • .001" thru 12.0"
- Johnson External Thread Gages • 3/8-20 (-3) thru 3 1/2-12 (-48)
- Johnson External Thread Gages • 7/16-20 (-4) thru 1 7/8-12 (-24)
- MTG Internal Thread Gages • 5/16-24 (-2) thru 3 1/2-12 (-48)
- Assorted Class 2A & Class 3A Ring Gages
- Assorted Class 2B & Class 3B Plug Gages
- Assorted ANPT & ANPF Pipe Ring Gages
- Assorted ANPT & ANPF Pipe Plug Gages
- Assorted Standard & Digital Micrometers & Calipers
- Alodine
- Anodizing
- Cadmium Plating
- Dry Film Lubricant
- Epoxy Painting
- Fluoride Phosphate Coat
- IVD Coating
- Passivating & Cleaning
PAMCO PRODUCTS ARE MADE-TO-ORDER

PAMCO’s modern, high-tech machine shop operates twenty hours a day and produces the finest products in today’s marketplace. PAMCO recognizes your requirements for quality and on-time delivery.

PAMCO manufactures AN, MS, AS, & NAS hydraulic tube fittings, both flared and flareless. Alloys available include Inconel, Monel, Titanium, Stainless Steel, Aluminum, Carbon Steel, Brass and Copper alloys. PAMCO also manufactures specials or part-to-print in all the same materials.

All PAMCO parts are made-to-order per customer request. Small quantities of most items are maintained in stock. Rush or expedited orders are welcome in PAMCO’s short run shop where parts are made in days instead of months. Please call or fax your fitting requirements to our sales department.

PAMCO manufactures AN, MS, AS and NAS standards as well as metric fittings, parts to print and customer controlled standards and specials.

PAMCO is AS18280 QPL approved, qualified for sizes 4 through 24 in carbon steel, stainless steel, aluminum and titanium. PAMCO is certified to and operates to AS9100 and AS7003.

PAMCO is “Big enough to perform” on just about any size order but,” We’re small enough to care” about our customers.
THE PAMCO QUALITY POLICY

Precision Aircraft Machining Co., Inc. shall strive to deliver the products and services that meet or exceed the customer’s requirements. PAMCO shall commit to constant improvement by training its people, upgrading equipment, eliminating non-essential practices, and creating an environment of quality consciousness. This policy is implemented and carried out at all levels in the organization.

QUALITY FORGINGS AVAILABLE FROM PAMCO

PAMCO maintains a large inventory of high-quality forgings as raw material for its products. These forgings are available for sale in a variety of materials and configurations for subsequent machining. All forgings are DFAR complaint and certified. Certifications and test reports are available for each lot of forgings. PAMCO forgings are procured only from high-quality sources with approved quality control procedures. Call PAMCO for more information.
ISO 9001:2000 & AS/EN 9100 APPROVALS

Boeing, Lockheed Martin, Gulfstream Aero, Cessna Raytheon Beach, Embraer, Bombardier, DSCC, Bell Helicopter, Textron, Crane Resistoflex, Parker Stratoflex, Essex Cryogenics.
December 4, 2014

Mr. Bill Andersen
Floor Manager
PAMCO, Inc.
10540 Elwood Street
Sun Valley, California 91352-4631

Dear Mr. Andersen:

Subject: G3-F223 – PAMCO, Inc. – AS85421 – Sizes 4, 6, 8, 10 – Titanium ONLY

We are pleased to advise that the PAMCO request for qualification for the following parts has been accepted by the G3 Qualified Product Group (QPG) in support of your organization’s inclusion on the PRI Qualified Product Listings for the following standards:

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Please note that if PAMCO, Inc. requires qualification approval for AS85421/# size 12, a new project will have to be initiated in the www.eAuditNet.com system.

As the manufacturer of a qualified product, your organization will appear on the PRI Qualified Products List (QPL) at www.eAuditNet.com. As a condition of your continued qualification, there will be an annual listing fee. PRI will invoice you annually for your listing. In addition to the listing fee, the specification for each QPL defines supplemental requirements.
Network Procurement
2007 Award Winner
The Stratoflex Products Division of Parker Hannifin Corporation
hereby recognizes
PRECISION AIRCRAFT MACHINE COMPANY INC
AS A STRATEGIC PARTNER

The Network Procurement Agreement Award is in recognition of suppliers that meet the six (6) elements of the agreement. Quality, Technology, Minimum Order Quantity, Lead Times, The Process of Continuous Improvement, and Pricing. The Overall Value NP Suppliers provide Parker supports the continuing effort to maintain our position as the Global Leader in Motion and Control Technologies.

Alfonso Soto, Division Procurement Manager
Brian Lovejoy, Division Quality Manager

ENGINEERING YOUR SUCCESS.
March 5, 1996

Precision Aircraft Machining Co
(PAMCO)
10640 Elkwood Street
Sun Valley, CA 91352-4631

Attention: Jim Asselyne

Subject: APPROVAL OF MANUFACTURER'S DRAWING (AMD)

Reference: AMD # 90-33 Dated 2-15-96

LMASC Standards Engineering has approved your drawing for the part number(s) listed on the referenced AMD, and a copy of the AMD is enclosed for your records.

The drawing listed on the AMD have been approved as specifically set out. Any changes to the drawing not approved by LMSC Standards Engineering will be cause for withdrawal of this approval.

Upon procurement of these parts, the purchase order "hold to" shall be the respectively listed revision of the drawing shown. Any FNN note listed shall also become a part of the "hold to." It should be noted that parts shipped to a revision level other than the level called out in the purchase order may be considered non-conforming and will be subject to return.

It is requested that five (5) copies of the drawing listed be forwarded to:

LOCKHEED MARTIN AERONAUTICAL SYSTEMS COMPANY
MARIETTA, GEORGIA 30063
ATTENTION: VENDOR DATA FILES
DEPARTMENT 82-13, ZONE 0364

If you have any questions, please call me.

Very truly yours,

[Signature]

LOCKHEED MARTIN AERONAUTICAL SYSTEMS COMPANY

M. W. Burnup, Subcontracts Administrator
Standard Parts/MSP Group
Dept. 55-45, Zone 0510

Encls.
05 February 1993

Mr. Gene Mundy
Quality Control Manager
10640 Elkwood Street
Sun Valley, CA 91352

Subject: Recognition of PAMCO's Support on the F-15E Program

Dear Mr. Mundy:

The F-15E Molecular Sieve Oxygen Generating System (MSOGS) requires that the system meet stringent leakage requirements. During initial implementation of MSOGS, it was determined that the standard AN fittings were inadequate to provide the proper sealing capability.

MDA-E and Litton-ILSD requested that PAMCO design and develop a standard fitting that could meet the system's leakage requirements. PAMCO developed and tested a 37 degree lipseal fitting that surpassed the required system leakage rates.

MDA-E would like to thank PAMCO for their commitment to excellence on the F-15E MSOGS program. PAMCO's dedication in providing a quality product, on time, was instrumental towards the program's success. Your continuing support to the F-15E MSOGS program is appreciated.

Again, thank you for a job well done!

Brad Korte
Sr. Engineer, Design
F-15 Crew Station
Sta. 35997, M/C 0343190

I.P. Silana
Unit Manager
F-15 Design
Sta. 31608, M/C 0343190
McDonnell Douglas Aerospace

WILLIAM L. STOWERS
Vice President
Supplier Management and Procurement - East

700-296
03 March 1993

PAMCO
10640 Elkwood St
Sun Valley, CA  91352

Attention:  Mr. Jim Asselyne

Subject:  MDA PREFERRED SUPPLIER CERTIFICATION AWARD

Dear Jim:

McDonnell Douglas Aerospace (MDA) is pleased to inform you that PAMCO has earned Preferred Supplier Certification Status. This achievement is based on PAMCO meeting an overall Bronze Level certification. PAMCO has attained Bronze Level for Business Processes, Bronze Level for Quality, Silver Level for Delivery Performance, and Bronze Level for SPC. Retention of preferred certified status will require PAMCO to maintain performance to at least the minimum standards of certification. However, MDA wishes to encourage you to strive for the Gold Level of Preferred Certification Status.

We would like to make a formal presentation at your plant at a time that is convenient for you. For planning purposes, I have designated Darwin Seldel to coordinate the arrangements for this presentation. Darwin may be contacted at (314) 232-6816. Please advise alternate dates so that we can determine a mutually convenient schedule.

Once again, congratulations on achieving this award. MDA appreciates the outstanding efforts of the PAMCO Team, and we look forward to a constantly improving long-term relationship.

Sincerely,

[Signature]

William L. Stowers - Vice President
Supplier Management and Procurement

P.O. Box 516, Saint Louis, MO 63166-0516
November 13, 1995

To:  All Aerospace Purchasing Agents, Buyers, Standards
     Engineers, and Quality Assurance Managers

From:  Richard M. Barkley, President
        United Supply Co., Inc.

Subject:  SALE OF UNITED SUPPLY CO. PART SERIES

United Supply Co. is pleased to announce that Precision Aircraft
Machining Company, Inc. dba PAMCO has been selected as the sole
authorized manufacturer of all US, UPFR, UR, UV, UVD and UT
series parts and as such is the sole-owner of all trademarks,
copyrights, etc., pursuant to the manufacture and sale of the
entire United Supply part series.

PAMCO is an excellent manufacturer, in the tradition of United
Supply Co. and has a superior reputation for quality parts del-
ivered to schedule. I recommend that all of United Supply’s
customers give PAMCO an opportunity to provide top quality
parts and support.

Very truly yours,

UNITED SUPPLY CO., INC.

______________________________
Richard M. Barkley, Président

RNB/jp
SCOPE OF ACCREDITATION

Fluid Distribution Systems

PAMCO
10640 Elkwood St
Sun Valley, CA 91352-4631

This certificate expiration is updated based on periodic audits. The current expiration date and scope
of accreditation are listed at: www.eAuditNet.com - Online QML (Qualified Manufacturer Listing).

In recognition of the successful completion of the PRI evaluation process, accreditation is granted to
this facility to perform the following:

AC7112 Rev A - Nadcap Fluids Systems Manufacturers Audit Criteria

AC7112/2 Rev A - Nadcap Audit Criteria for Fittings and Other Machined Components

AS18280
AS4370
AS4444
AS4841
AS4843
AS4843/1
AS4843/2
AS4875
AS4875/1
AS4875/2
AS85421
AS85720

17-Jun-10
In accordance with SAE Aerospace Standard AS7003, to the revision in effect at the time of the audit, this certificate is granted and awarded by the authority of the Nadcap Management Council to:

PAMCO
10640 Elkwood St
Sun Valley, CA 91352-4631
United States

This certificate demonstrates conformance and recognition of accreditation for specific services, as listed in www.eAuditNet.com on the Qualified Manufacturers List (QML), to the revision in effect at the time of the audit for:

Fluid Distribution Systems

Certificate Number: 4024157694
Expiration Date: 30 April 2017

Joseph G. Pinto
Vice President and Chief Operating Officer

Performance Review Institute (PRI) | 161 Thorn Hill Road | Warrendale, PA 15086-7527
This is to certify that
Precision Aircraft Machining Company, Inc. “PAMCO”
Controlling/Central Function: 10640 Elkwood Street, Sun Valley, CA 91352
10641/10649 Elkwood Street, Sun Valley, CA 91352
7826 Clybourn Street, Sun Valley, CA 91352
7838/7832 Clybourn Street, Sun Valley, CA 91352
USA
is registered as a Campus quality management system
demonstrated in conformance with
ISO 9001:2008 and AS9100-C
The audit was conducted in accordance with the requirements of SAE AS9104/1:2012-01
PRI Registrar is accredited under the ICoP Scheme
Scope of Registration:
Controlling Address (Central Function): 10640 Elkwood Street –
Manufacture of Hydraulic Fittings, Specialty Fittings and Machined Parts to
system certified to AS9100 and ISO 9001:2008;
Excluding Design and Post-delivery Support 7.5.1.4a, c, d, e.
10641/10649 Elkwood Street - CNC Machining, Deburring,
Excluding Design and Post-delivery Support 7.5.1.4a, c, d, e.
7826 Clybourn Street - CNC Machining, Deburring,
Excluding Design and Post-delivery Support 7.5.1.4a, c, d, e.
7838/7832 Clybourn Street - CNC Machining, Deburring,
Excluding Design and Post-delivery Support 7.5.1.4a, c, d, e.

Peter F. Kucan, Jr. – Director – Registrar Operations

Performance Review Institute • 161 Thorn Hill Road • Warrendale, PA 15086-7527 • Phone 724.772.1616
AEROSPACE INDUSTRIES ASSOCIATION

Certificate of Associate Membership
This is to certify that

PRECISION AIRCRAFT MACHINING COMPANY

Qualified for and has been accepted as a
MEMBER OF THE SUPPLIER MANAGEMENT COUNCIL
2007-2008

John W. Douglass
President & CEO, AIA

William J. Lewandowski
Vice President, Supplier Management
Approval Of Supplier

Gulfstream Aerospace is pleased to grant its approval to

Precision Aircraft Machining Co., Inc.

as a supplier of material, parts, and/or services. This approval is given after a complete facilities survey and examination of the Quality Control/Assurance organization has been accomplished. You are approved to provide to Gulfstream Aerospace Corporation the various categories of material, parts and/or services as listed here.

Manufacturing of Fluid Fittings

This approval is given subject to your continued compliance with Gulfstream Aerospace Corporation Supplier Quality Assurance Requirements as defined by contract.

DATE  22 March 2010

EXPRES
☐ 1 YEAR FROM DATE
☐ 3 YEARS FROM DATE
☐ 4 YEARS FROM DATE
☐ UNTIL RESCINDED

Gulfstream Aerospace Corporation
QUALITY ASSURANCE DEPARTMENT
P.O. BOX 3206 A-40
SAVANNAH, GEORGIA 31402-226
Precision Aircraft Machining Co Inc.
10640 Elkwood St
Sun Valley, CA 91352-4631

Attn: Mr. Donald Pisano, President

Subject: Platinum Level – Platinum Source Plaque

On behalf of Northrop Grumman Aerospace Systems Sector we are pleased to present this plaque to Precision Aircraft Machining Co Inc. for their sustained excellence as a supplier of quality products and on-time delivery.

Congratulations to you and your employees!

Sincerely,

Steven R. Moe, Director
Supplier Assurance & Commodity Engineering

September 13, 2010
Given in recognition of

Sustaining Customer Quality & Delivery Expectations

Presented to

Precision Aircraft Machining Co. Inc.

September 1, 2010

Lisa V. Kohl
Sector Vice President
Global Supply Chain
Aerospace Systems

Steven R. Moe
Director
Supplier Assurance & Commodity Engineering
Aerospace Systems
2007 Certified Supplier
Stratoflex Products Division

This is to certify that:

PRECISION AIRCRAFT MACHINE COMPANY INC.

is hereby granted certified supplier status in accordance with Parker Hannifin supplier quality assurance procedures. This status is subject to continued compliance with Parker Aerospace Group – Supplier Quality Assurance Requirements as defined by contract.

Alfonso Sols, Division Procurement Manager

Brian Lovejoy, Division Quality Manager

ENGINEERING YOUR SUCCESS.
Precision Aircraft Machining Co., Inc.

10640 Elkwood Street
Sun Valley, CA 91352

Phone: (818) 768-5900
Fax: (818) 768-1409

WWW.PAMCO-INC.COM

mail@pamco-inc.com
DON PISANO  
President (x220)  
dpisano@pamco-inc.com

KIM PISANO  
V.P. of Operations (x219)  
kpisano@pamco-inc.com

JIM ASSELTYNE  
Sales (x215)  
jasseltyne@pamco-inc.com

JIM THOMSON  
Sales (x230)  
jthomson@pamco-inc.com

BILL ANDERSEN  
General Manager (x216)  
bandersen@pamco-inc.com

THOMAS COOK  
Quality Manager (x213)  
tcook@pamco-inc.com

Accounting (x214)  
accounting@pamco-inc.com

Certification (x212)  
invoice@pamco-inc.com

Follow-Up (x211)  
expediting@pamco-inc.com
Question:
How long has PAMCO been in business?

Answer:
PAMCO was founded in 1979 and has been in continuous operation ever since.

Question:
Where is Sun Valley, California?

Answer:
Sun Valley, California, is located in the eastern San Fernando Valley, approximately 15 miles north of downtown Los Angeles.

Question:
What is the standard lead time at PAMCO?

Answer:
Depending upon the component requirements, PAMCO is often able to deliver your order in as little as a few days. Please call PAMCO to discuss your specific requirements.
Question:
What materials can PAMCO use to produce parts?

Answer:
PAMCO can produce its components in almost any available machineable metal including stainless steel, Inconel and Titanium. Please call PAMCO for your specific requirements.

PAMCO’s staff can assist you with all of your special fitting requirements. Please call PAMCO for details.

Question:
How large is PAMCO’s facility in Sun Valley, California?

Answer:
PAMCO maintains a 20,000-square-foot modern manufacturing facility in Sun Valley, California.
Parts listing
AS95
FITTING ASSEMBLY, CROSS

AS893
FITTING, TEE, STANDARD AND REDUCER

AS894
FITTING, TEE, STANDARD AND REDUCER

AS895
FITTING ELBOW, 45 DEGREE

AS896
FITTING, NIPPLE, REDUCER

AS897
FITTING ELBOW, 90 DEGREE

AS931
FITTING, ADAPTER, REDUCER/EXPANDER

AS932
FITTING, ADAPTER, REDUCER/EXPANDER

AS933
FITTING, ADAPTER, UNION

AS934
FITTING, ADAPTER, REDUCER/EXPANDER

AS1001
FITTING, TEE, STANDARD AND REDUCER

AS1002
FITTING, TEE, STANDARD AND REDUCER

PRECISION AIRCRAFT MACHINING CO., INC
PHONE: (818) 768-5900
FAX: (818) 768-1409
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
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<tbody>
<tr>
<td>AS1003</td>
<td>Fitting, Tee, Standard and Reducer</td>
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<td>AS1004</td>
<td>Fitting Elbow, 90 Degree</td>
</tr>
<tr>
<td>AS1005</td>
<td>Fitting, Tee, Standard and Reducer</td>
</tr>
<tr>
<td>AS1006</td>
<td>Fitting, Cross, Standard and Reducer</td>
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<tr>
<td>AS1007</td>
<td>Fitting, Union, Standard and Reducer</td>
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<td>AS1008</td>
<td>Fitting Elbow, 90 Degree</td>
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<td>AS1009</td>
<td>Fitting, Tee, Standard and Reducer</td>
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<td>AS1010</td>
<td>Fitting Elbow, 45 Degree</td>
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<td>AS1034</td>
<td>Fitting Elbow, 90 Degree</td>
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<tr>
<td>TEE, FLARED TUBE, BULKHEAD, FOR SEALING RING</td>
<td>ELBOW, 90, FLARED TUBE, BULKHEAD, FOR SEALING</td>
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<td>AS1368</td>
<td>AS1369</td>
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<td>FITTING, REDUCER EXTERNAL, THREAD FLARED TUBE</td>
<td>PLUG, FLARED TUBE, FOR SEALING RING</td>
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<td>AS1732</td>
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<td>FITTING, REDUCER, INTEGRAL WELD RING</td>
<td>BODY, COUPLING, RIGID, FIXED CAVITY, THREADED</td>
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PRECISION AIRCRAFT MACHINING CO., INC

PHONE: (818) 768-5900
FAX: (818) 768-1409
AS21941  MS21941  BOLT, CLUSTER FITTING, DOUBLE PORT, THROUGH

AS21942  MS21942  BODY, CLUSTER FITTING, ONE WAY, FLARELESS

AS21943  MS21943  BODY, CLUSTER FITTING, TWO WAY, 90, FLARELESS

AS21944  MS21944  BODY, CLUSTER FITTING, TWO WAY, 180, FLARELESS

AS21945  MS21945  BODY, CLUSTER FITTING, THREE-WAY, FLARELESS

PHONE: (818) 768-5900
FAX: (818) 768-1409
AS3000
Plug, Machine Thread - AMS 5646, Metal Gasket

AS3001
Plug, Machine Thread - AMS 5646, Metal Gasket

AS3163
Plug

AS3166
Union, Tube CRES AMS 5646 Conical End,

AS3220
Sleeve, Flared, Tube Fitting - Aluminum

AS3226
Tube, Tee, Boss - AMS 5646

PRECISION AIRCRAFT MACHINING CO., INC

PHONE: (818) 768-5900
FAX: (818) 768-1409
AS4303
ELBOW ASSEMBLY 90, FLARED TUBE TO ADJUSTABLE END

AS4304
TEE ASSEMBLY, FLARED TUBE, RETAINED NUT ON SIDE

AS4305
TEE ASSEMBLY, FLARED TUBE, ADJUSTABLE END ON

AS4306
TEE ASSEMBLY, FLARED TUBE, ADJUSTABLE END ON

AS4307
ADAPTER, FLARED TUBE TO BOSS, FOR SEAL RING

AS4308
BUSHING-SCREW THREAD EXPANDER, FOR SEAL RING

AS4309
NIPPLE-FLARED TUBE TO PIPE THREAD, FOR SEAL RING

AS4310
TEE-FLARED TUBE, INTERNAL THREAD ON RUN

AS4311
TEE-FLARED TUBE, INTERNAL THREAD ON SIDE

AS4312
TEE-FLARED TUBE WITH PIPE, THREAD ON RUN

AS4313
TEE-FLARED TUBE WITH PIPE THREAD ON SIDE

AS4314
ELBOW ASSEMBLY 45, FLARED TUBE TO ADJUSTABLE END

PRECISION AIRCRAFT MACHINING CO., INC

PHONE: (818) 768-5900
FAX: (818) 768-1409

PAMCO
AS4315
ELBOW ASSEMBLY 90, FLARED TUBE TO RETAIND NUT

AS4316
ELBOW ASSEMBLY 45, FLARED TUBE TO RETAIND NUT

AS4317
REDUCER, ADAPTER, FLARED TUBE TO BOSS

AS4318
ADAPTER, FLARED TUBE .375 BULKHEAD TO BOSS

AS4319
EXPANDER, ADAPTER, FLARED TUBE TO BOSS

AS4323
NUT, RETAINED, FOR FLARED TUBE FITTINGS

AS4326
NUT, COUPLING

AS4327
SLEEVE, FLARED TUBE FITTING

AS4328
UNION, REDUCER, BULKHEAD, FLARED TUBE

AS4329
CAP, ASSEMBLY, PRESSURE SEAL, FLARED TUBE FITTING

AS4340
BUSHING-SCREW THREAD REDUCER, FOR SEAL RING

AS4346
UNION, ASSEMBLY, ADJUSTABLE END
AS4347
UNION, ASSEMBLY, DOUBLE RETAINED NUT

AS4348
ADAPTER ASSEMBLY, RETAINED NUT TO BOSS

AS4349
COUPLING, TUBE

AS4350
FITTING

AS4370
NUT, FITTING, RETAINED

AS4405
FITTING, ASSEMBLY, ADAPTER, REDUCER &

AS4406
FITTING, ASSEMBLY, UNION, REDUCER & NONREDUCER

AS4407
FITTING, ASSEMBLY, ELBOW 90, REDUCER &

AS4408
FITTING, ASSEMBLY, ELBOW 90, REDUCER &

AS4409
FITTING, ASSEMBLY, ELBOW 45, REDUCER & NONREDUCER

AS4410
FITTING, ASSEMBLY, TEE, REDUCER & NONREDUCER

AS4411
FITTING, ASSEMBLY, TEE, REDUCER & NONREDUCER

PRECISION AIRCRAFT MACHINING CO., INC

PHONE: (818) 768-5900
FAX: (818) 768-1409
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<thead>
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<td>FITTING, ASSEMBLY, TEE, REDUCER &amp; NONREDUCER</td>
<td>PLUG, PIPE, EXTERNAL THREAD, HEX HEAD</td>
<td>PLUG, PIPE, EXTERNAL THREAD</td>
</tr>
</tbody>
</table>

**Precision Aircraft Machining Co., Inc.**

**Phone:** (818) 768-5900  
**Fax:** (818) 768-1409

<table>
<thead>
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AS5170
Fitting, Plug, Port, Straight Thread, O-Ring Seal

AS5172
Fitting, Adapter, Port, Reducer

AS5173
Fitting, Bushing, Port, Reducer

AS5174
Fitting, Union and Reducer, Flared

AS5175
Nut, Coupling, Flared

AS5176
Nut, Sleeve, Flared

AS5177
Fitting, Union and Reducer, Flared

AS5178
Fitting, Nut, Bulkhead

AS5179
Nut, Fitting, Port

AS5180
Fitting, Adapter, Bulkhead, Flared to Hose

AS5181
Fitting, Elbow 90, Bulkhead, Flared to Hose

AS5182
Fitting, Elbow 45, Bulkhead, Flared to Hose

AS5183
Fitting, Adapter, Hose to Straight Pipe

Precision Aircraft Machining Co., Inc
Phone: (818) 768-5900
Fax: (818) 768-1409
AS5196
Fitting, Elbow 45, Flared to Pipe

AS5197
Fitting, Tee, Flared to Pipe on Side

AS5198
Fitting, Tee, Flared to Pipe on Run

AS5205
Nut, Fitting, Engine, Flared

AS5206
Nut, Flared, Long

AS5227
Flange, Straight Thread Port, Weld

AS5230
Fitting, Union & Reducer, Flareless

AS5231
Nut, Fitting, Port

AS5232
Fitting, Adapter, Bulkhead, Flared to Hose

AS5233
Fitting, Elbow 90, Bulkhead, Flared to Hose

AS5238
Fitting, Elbow 45, Bulkhead, Flared to Hose

AS5239
Fitting, Adapter, Bulkhead, Flareless to Flared

Precision Aircraft Machining Co., Inc
Phone: (818) 768-5900
Fax: (818) 768-1409

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<table>
<thead>
<tr>
<th>AS5240</th>
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<td>FITTING, ELBOW 45, BULKHEAD, FLARELESS TO FLARED</td>
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<tr>
<td>FITTING, UNION, TUBE, .375 BULKHEAD</td>
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</tbody>
</table>

**PRECISION AIRCRAFT MACHINING CO., INC**

PHONE: (818) 768-5900  
FAX: (818) 768-1409
<table>
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<tr>
<th>AS6041</th>
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<th>AS6043</th>
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<tr>
<td><strong>AS6044</strong> FITTING, ELBOW, 90° STANDARD AND REDUCER</td>
<td><strong>AS6045</strong> FITTING, TEE, STANDARD AND REDUCER</td>
<td><strong>AS6046</strong> FITTING, CROSS, STANDARD AND REDUCER</td>
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<tr>
<td>AS6047</td>
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<td><img src="image8.png" alt="Fitting Elbow 90° Standard and Reducer" /></td>
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<td><strong>AS6049</strong> FITTING, TEE, STANDARD AND REDUCER</td>
</tr>
</tbody>
</table>

**PRECISION AIRCRAFT MACHINING CO., INC**

PHONE: (818) 768-5900  
FAX: (818) 768-1409
AS85421/3  Fitting, Tee, Reducer, Beam Seal, 3 Male Ends

AS85421/4  Fitting, Tee, Reducer & Non-Reducer, Beam Seal

AS85421/5  Fitting, Tee, Reducer & Non-Reducer, Beam Seal

AS85421/6  Fitting, Cross, Beam Seal, Male Ends

AS85421/7  Fitting Assembly, Cross, Beam Seal, 4 Female Ends

AS85421/8  Fitting, Cross, Reducer, Beam Seal, 4 Male Ends

AS85421/9  Fitting Assembly, Cross, Reducer, 4 Female Ends

AS85421/10  Fitting, Adapter, Beam Seal, Male to Flareless

AS85421/11  Fitting, Union, Beam Seal, Male Ends

AS85421/12  Fitting, Elbow, 90, Beam Seal, Male to Male

AS85421/13  Fitting, Elbow, 90, Beam Seal, Bulkhead, M-Ends

AS85421/14  Fitting, Elbow, 90, Beam Seal, Male to Female

Precision Aircraft Machining Co., Inc

Phone: (818) 768-5900
Fax: (818) 768-1409
AS85421/15
Fitting, Elbow, 45, Beam Seal, Bulkhead, M-Ends

AS85421/16
Fitting, Tee, Beam Seal, Bulkhead on Run, M-Ends

AS85421/17
Fitting, Tee, Beam Seal, Bulkhead on Branch, M-Ends

AS4213
Fitting, Plug, Beam Seal, Hydraulic

AS4214
Fitting, Cap Assembly, Beam Seal, Hydraulic

AS9002
Plug, Machine Thread Drilled

Precision Aircraft Machining Co., Inc
Phone: (818) 768-5900
Fax: (818) 768-1409

Page 68
NAS1237
ELBOW - UNIVERSAL 90° - FLARELESS

NAS1238
ELBOW - UNIVERSAL 75° - FLARELESS

NAS1239
ELBOW - UNIVERSAL 45° - FLARELESS

NAS1240
TEE - UNIVERSAL - FLARELESS

NAS1761
ELBOW, REDUCER, 45°, FLARELESS TUBE TO SWIVEL

NAS1762
ELBOW, REDUCER, 90°, FLARELESS TUBE TO SWIVEL

NAS1763
TEE, REDUCER, FLARELESS TUBE TO SWIVEL

NAS1764
TEE, REDUCER, FLARELESS TUBE TO SWIVEL, ON SIDE

NAS424
COUPLING, TUBE, FLARELESS FITTING, FEMALE THREAD

NAS551
BOLT, UNIVERSAL FITTING

NAS552
ELBOW, UNIVERSAL 90 DEGREE

NAS553
ELBOW, UNIVERSAL 15 DEGREE

PRECISION AIRCRAFT MACHINING CO., INC

PHONE: (818) 768-5900
FAX: (818) 768-1409
AS cross reference chart

AS9100 CERTIFIED
AS18280 QPL
Master List of Basic AN, MS, NAS & AS Numbers
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