



Precision Assembly Technologies, Inc.
160 Wilbur Place
Bohemia, NY 11716

QUALITY ASSURANCE CLAUSES

The following Quality Assurance clauses become an integral part of this Purchase Order to the extent specified herein. **NOTE:** Notes A, B, C, D, E, F, G, and H are applicable to **ALL** procurements.

SHIPMENTS WILL NOT BE CONSIDERED COMPLETE AND INVOICE SHALL NOT BE HONORED UNTIL THESE REQUIREMENTS ARE FULFILLED.

The following notes are applicable to **ALL** purchases:

A. NONCONFORMING MATERIAL

The seller is **NOT** authorized to perform material review action of nonconforming material with the intent of delivering such nonconforming material without the express **written** authorization from Precision Assembly Technologies (herein after referred to as PAT). Disposition of any departures from drawings, specifications, or other Purchase Order requirements **must** be approved, **in writing**, by PAT's Quality Assurance Manager prior to shipment from the supplier's facility.

B. QUALITY RECORDS RETENTION

Supplier's Product and Process Control and Quality Records shall be retained at the supplier's location for a minimum of seven (7) years, unless otherwise specified on the Purchase Order. The records shall be sufficient to determine the quality level of production processes. These records shall include chemical and physical test results of raw material (if applicable) used in the manufacture of the item(s) on this Purchase Order. Quality records shall be provided upon request by PAT or one of its customers.

C. PRODUCT OR PROCESS CHANGES

The seller shall notify Precision Assembly Technologies of any changes in product and/or process definition and, where required, obtain written approval by Precision Assembly Technologies

D. SUPPLIER CORRECTIVE ACTION REQUESTS

Supplier Corrective Action Requests will be forwarded by PAT to a supplier when PAT Quality Assurance deems formal corrective action is necessary. The supplier shall give priority to analysis of the cause and proposed corrective action. It is mandatory that replies be received within the period indicated on the Supplier Corrective Action Request.

E. PRESERVATION, PACKAGING AND SHIPPING

The seller is required to clearly mark the containers of all parts known or suspected of being sensitive to electrostatic charges. Conductive carriers shall be used for the transporting, storing, and shipping of static sensitive devices. Package marking shall be in accordance with the requirements of MIL-STD-129.

When a blueprint, specification or purchase order lacks preservation, packaging and shipping instructions, it shall be the seller's responsibility to maintain adequate control of packaging to ensure the quality of the fabricated article is assured and that damage, deterioration, substitution and loss in transit is prevented.

Shipments consisting of multiple containers shall have each container identified as follows: 1 of 3, 2 of 3, 3 of 3, etc. All shipping documents, certification test and inspection records, etc., shall be placed in box number 1 or in an attached envelope. The box shall be clearly marked with packing slip, certifications, test reports, etc., enclosed.

F. CERTIFICATE OF CONFORMANCE

The seller shall provide, with **each** shipment, a certified statement that the items furnished on this purchase order meet PAT's specification requirements as stated on the purchase order and/or drawing(s) provided.

As a minimum, the Certificate of Conformance **must** contain the following information as it applies to the product(s) being certified:

- i. Part Name
- ii. Drawing Number and revision or date
- iii. Serial number(s), as required
- iv. Quantity of items inspected



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- v. Purchase Order number
- vi. List of specifications, grade, type or value to which the product was purchased
- vii. Seller's name and address
- viii. Signature and title of recognized Quality Assurance representative

Acceptance of material at PAT is contingent upon receipt of a Certificate of Compliance containing the above referenced requirements. Please note that the statement, "to the best of our knowledge and belief" will be considered **unacceptable**.

G. QUALITY FLOW DOWN TO SUB-TIER SUPPLIERS

The seller's Quality System shall ensure that all pertinent Purchase Order requirements are flowed down to sub-tier suppliers. The seller's sub-tier suppliers are responsible to comply with the same specifications and requirements specified on this Purchase Order.

H. RIGHT OF ACCESS

Precision Assembly Technologies, Precision Assembly Technologies customers, and government/regulatory authorities shall be granted right of access by the seller to all facilities involved in this order and to all applicable records.

The following paragraphs are applicable only when specifically referenced on Purchase Order:

1. GOVERNMENT SOURCE INSPECTION - MILITARY CONTRACTS

"Government Source Inspection is required prior to shipment from your facility. Upon receipt of this order, promptly notify the Government Representative who normally services your facility so that appropriate planning for Government Inspection can be accomplished."

2. QUALITY SYSTEM REQUIREMENTS

The supplier's quality system shall be in compliance with the current revision of AS9100, ISO 9001:2000 or have a PAT-approved quality system. Suppliers certified to AS9100 or ISO 9001:2000 shall be evidenced by a third party certification.

3. PRECISION ASSEMBLY TECHNOLOGIES SOURCE INSPECTION

All items covered by this purchase order will be source inspected by a representative of PAT's Quality Assurance Department. This will include surveillance of the product, Quality Systems, procedures, processes and facilities. The seller shall furnish, at no cost to PAT, the necessary facilities and equipment, supply data and perform testing as required by applicable drawings, specifications and inspection instructions under surveillance by PAT's Quality Assurance Representative. Final acceptance of purchased material shall be performed at PAT.

Precision Assembly Technologies shall reserve the right to re-inspect or retest material from the supplier. When requesting source inspection, notify PAT's Purchasing Department at least forty eight (48) hours in advance.

4. CONFIGURATION CONTROL

1. The supplier shall ensure that he has the revision of the drawing that matches the revision noted on this Purchase Order. If an item on this Purchase Order is controlled by a drawing that lists or references a Parts List, the supplier shall ensure that he has the revisions in effect for the date of the Purchase Order. In the event the supplier does not have the correct drawing or parts list revision, he is to immediately notify the buyer listed on the Purchase Order.
2. The supplier shall accept changes in the revision status of any of these drawings by means of a formal Purchase Change Order. The supplier shall not accept changes either verbally or via email from anyone other than the buyer.
3. If an item on this Purchase Order invokes, via reference, a military specification, military standard, or other revision controlled document, the revisions in effect are as of the date of this Purchase Order.

5. QUALIFIED PRODUCTS LIST (QPL) CERTIFICATION

The seller shall include with each shipment a certified statement that the items on this purchase order were produced by a currently approved QPL manufacturer. Indicate the name of the manufacturer and current QPL number on the statement. Material shipped from a distributor must be accompanied by a reproduced copy of the shipping document from the original manufacturer, or a certified statement, signed by a responsible official and contain the following statement: "Original shipping document from the manufacturer is on file at this facility and is available for review by Precision Assembly Technologies upon request."



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6. SPECIAL PROCESS CERTIFICATION

Each shipment of material on this purchase order must be accompanied by two (2) legible copies of a certification containing the signature and title of an authorized representative of the agency performing the tests. The certification shall reference the special process being used, such as (but not limited to): soldering, welding, brazing, heat treating, magnetic particle inspection, liquid honing, penetrant inspection, radiographic inspection, surface penetration and treatment (i.e., plating, painting, etc.), ultrasonic inspection, etc. When parts are serialized, the serial numbers **must** appear on the certification. All special processes listed above must be performed by a source approved by PAT or its customer.

7. FUNCTIONAL TEST REPORTS

Each shipment shall be accompanied by two (2) legible copies of actual test results identifiable with test parameters defined as operational, mechanical, electrical, etc., of material submitted. These reports must contain the signature of an authorized representative of the agency performing the tests and must assure compliance to specification requirements.

8. CALIBRATION PROGRAM

The seller shall have established, and currently maintain, a calibration program in accordance with ISO 10021-1 or ANSI Z540-1.

9. PRECISION ASSEMBLY TECHNOLOGIES IN-PROCESS INSPECTION

In addition to the requirements of Precision Assembly Technologies Source Inspection, all items covered under this purchase order require in-process inspection by a PAT Quality Representative.

Prior to any hermetic sealing or any permanent closure, the supplier shall notify the PAT Purchasing Department within ten (10) days for in-process inspection coverage.

10. IDENTIFICATION OF LIMITED LIFE ITEMS

The seller shall identify each item, package or container of limited life material with the manufacturer's date, storage temperature, and special handling conditions, in addition to the normal identification requirements of name, part number, specification number, type, size, quantity, and manufacturer's recommended shelf life. Product shall not exceed 80% of the shelf life from date of manufacture to ship date and acceptance at Precision Assembly Technologies. Material Safety Data Sheets (MSDS) **shall** be supplied with each shipment.

11. FIRST ARTICLE

First Articles must be inspected and accepted by Precision Assembly Technologies Quality Assurance. The sample lot of a first article will be inspected for compliance to applicable drawings, specifications and for acceptable workmanship practices. First Article shall be identified as such by using tags or labels traceable to the part(s).

NOTE: NO PRODUCTION LOTS SHALL BE BUILT OR SHIPPED WITHOUT PRIOR WRITTEN APPROVAL FROM PRECISION ASSEMBLY TECHNOLOGIES

12. E.S.D. SENSITIVE DEVICES

All material must be handled in accordance with either MIL-STD-1686 or ANSI/ESD S20.20. Supplier must ensure that these controls are in place and consistently monitored.

13. PREFERENCE FOR DOMESTIC SPECIALTY METALS

This part is going to be purchased against a United States Government contract. Department of Defense FAR Supplement (DFARS) 252.225.7014, Alt. 1 (Preference for Domestic Specialty Metals) is imposed on this purchase order. Any specialty metals delivered against this purchase order must comply with this clause and must be flowed down to all of your vendors supplying any items delivered under this purchase order that include specialty metals.

14. PRE-PRODUCTION SAMPLES

The seller shall supply pre-production samples in the quantities stated on the purchase order and finished to the extent specified. These samples must be accompanied by all proper certifications stating the materials and processes used are identical to those which will be used during production.



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15. PRINTED WIRING BOARDS

Unless otherwise specified, printed circuit boards manufactured for this purchase order shall be in full compliance with ANSI/J-STD-001, Class 3, requirements.