



A.F. Machine & Tool Co., Inc.

Purchase Order Quality Clauses (F-840-008) January 2018

Q-1. Quality System

The supplier shall maintain an inspection or quality system that meets one of the following standards:

A) AS9100 B) ISO 9000 C) MIL-I-45208 A D) NADCAP E) Otherwise approved by A.F. Machine & Tool Co., Inc.

Q-2. Equipment Calibration

A) Product acceptance inspections and tests conducted in fulfillment of this order shall be performed with calibrated equipment traceable to a NIST standard.

B) Seller shall provide and maintain a calibration program that is in conformance with MIL-I-45208A and ISO 10012-1 "Quality Assurance Requirements for Measuring Equipment", ANSI/NCCL Z540-1 "General requirements for Calibration Laboratories and Measuring and Test Equipment".

Q-3. Welder Certification

Shall be in accordance with MIL-STD-1595 or per AWS standard noted on the drawing and/or Purchase Order as issued by A.F. Machine & Tool Co., Inc.

Q-4. Substitutions

Substitutions and changes are not permitted unless authorized by Change Order Notice to the A.F. Machine Purchase Order, or by written instructions from A.F. Machine Purchasing Department.

Q-5. Required Vendors

Parts or materials may be purchased only from vendors on approved engineering documentation or otherwise authorized by A.F. Machine.

Q-6. Test Data / Report Submittals

A) **Test Data** – Functional assemblies furnished here under shall be accompanied by lot acceptance test data showing full conformance with the acceptance test of other functional requirements of the drawing.

B) **Test Report** – A test report shall be furnished giving the military, federal or industrial specification by which the described item on the PO is tested and the actual test data measured. The test report shall be signed by an authorized agent of the supplier or laboratory and the title of the person stated.

C) **Inspection Results** – A list of all characteristics checked and the results are provided to A.F. Machine.

D) **Test Data / Inspection Results** – A list of all characteristics checked and the results are retained on file by the supplier for a period of five (5) years upon PO completion and made available for A.F. Machine inspection upon request.

E) **Test Data / Inspection Results** – A list of all characteristics checked and the results are provided to A.F. Machine.

Q-7. First Article Inspection

A) The first pieces of the parts furnished here under shall be accompanied by a First Article Inspection and shall be completed in accordance with form AS9102 "Aerospace First Article Inspection Requirements".

B) The first pieces of the parts furnished here under shall be accompanied by variables measurement data showing full compliance of each dimension shown in the corresponding drawing. Attributing data shall be be furnished for each dimension accepted with functional gauging.

Q-8. Chemical / Physical Certification

Quantitative chemical and physical data showing conformance with the applicable raw material specifications (Material Test Report) shall be furnished with product delivered here under. This data shall be signed and certified to be accurate by an official of the testing agency.

Q-9. Certification Required (CofC)

Certificate of Conformance is required. One shall be completed and returned with each shipment and shall identify as a minimum the following:

1. Part Number and latest revision and Quantity
2. A.F. Machine Purchase Order Number
3. Statement certifying that all materials delivered under the referenced PO complies with specifications/drawings as noted and was inspected as stated and available for review.
4. Unique supplier generated Certificate Number or identifier.

Q-10 Packaging

Materials delivered here under shall be packaged in accordance with:

- A) Standard Commercial Practice – All materials shall be protected against corrosion, contamination, deterioration, or other spoilage during transit. All material shall be packed with suitable protection to prevent damage through handling, transit and during storage prior to use. Packaging will be in accordance to 'Best Commercial Practice' unless otherwise stated.
- B) The stated item shall be packaged in accordance with the given military specification at level C/C/ unless stated otherwise on the PO.

Q-11 Domestic / Qualified Specialty Metals Only

As per requirements of DFARS 252.225-7014 (June 2005), contractor is prohibited from incorporating into military parts, components and/or "end-item deliverables", specialty metals which have been melted outside of the United States, its possessions, or Puerto Rico, unless certain limited exceptions as set forth in the clause or DFARS subpart 225.7002-2 apply. Compliance to the DFARS 252.225-7014 shall be stated in the supplier's standard Certificate of Conformance or by separate certificate.

Q-12 Counterfeit Part Prevention

Seller shall prevent the use of counterfeit parts and ensure parts provided are from the original equipment manufacturer (OEM) suppliers, made to OEM specification and approved for use. Seller shall maintain a method of traceability that ensured tracking of the supply chain back to the OEM manufacturer and shall supply records of this traceability to A.F. Machine upon request or is compliant with SAE AS5553.

Q-13 Prohibited Material

All constructions and finishes containing pure cadmium or pure zinc are prohibited. In addition, construction and finishes containing pure tin are prohibited unless they contain a minimum of 3 – weight percent alloying element(s) (i.e. lead, silver, etc.). Seller shall submit a certificate with each shipment stating that no prohibited materials are present in their deliverable product per Q-13.

Q-14 Contamination / Foreign Object Debris (FOD) Control

Seller shall maintain a FOD prevention program. Articles shall be protected by seller from contamination or damage from foreign objects during processing, testing, inspection, handling, and packaging prior to delivery to A.F. Machine.

Q-15 Government / Customer Furnished Equipment (GFE/CFE)

The supplier is required to maintain a program for positive material identification, segregation, and control of GFE/CFE. This program shall provide for timely notification to A.F. Machine of any deficiency or failure noted upon receipt.

Q-16 Special Process Certification

Certification is required for all special processing including but not limited to Chemical Conversion Coating, Anodizing, Priming, Paint, Specialty Plating and Heat Treating. Certificate shall include the part number including the latest revision number, the process performed along with the required specification and revision letter. In cases where the specification revision letter and/or number is not noted use the latest published revision number unless otherwise noted.

Q-17 Non-Destructive Test Requirements (NDT)

NDT requirements shall be conducted at suppliers that are certified to perform such test and are qualified to interpret the results. All NDT testing results must include a certificate which at a minimum has a unique identifier number, the part number being tested, the test performed, the specification used, the test results.

Q-18 Right of Access

Seller acknowledges that A.F. Machine, it's Customers, government representative, or applicable regulatory agencies have the right of access to survey seller's facility and review all processes, contracted parts, procedures and records associated with this purchase order.

Q-19 Non-Conforming Product Notification

Supplier shall inform A.F. Machine of any non-conforming product and await A.F. Machine approval as to the disposition of the product. If non-conformance is discovered after delivery supplier will immediately notify A.F. Machine of the discrepancy.

Q-20 Flow-Down Requirements

Seller shall require control of quality at all points of the procurement, fabrication and completion process to insure conformance to the PO's requirements. To assure full compliance, all applicable Q-notes flowed down from A.F. Machine must also be flowed-down to the seller's sub-tier suppliers where work is being performed.

Q-21 Record Retention

Seller shall retain quality records for a minimum of five (5) years. Fasteners identified as Safety Critical or Flight Safety Critical require a thirty (30) year retention on all quality records. Upon request all such records will be made available to A.F. Machine, it's customers and government representatives.

Q-22 ITAR Requirements

Production of parts under this purchase order are controlled under ITAR regulations. All associated drawing, specification and digital models may only be viewed and accessed by US citizens. Transmission of any drawing, models, images and specification associated with this part to locations outside of the United States is prohibited. No portion of parts associated with this PO shall be sent to a foreign country and/or entity.

Q-23 Ethical Behavior

A.F. Machine & Tool Co. conducts its business in compliance to all governmental, customer based, and statutory requirements. As such we expect that our suppliers and employees shall conduct business fairly, objectively, and in an ethical fashion. Both suppliers and their employees must understand that unethical behavior is wrong and can ruin not only their reputation, but ours as well. As such we expect our supplier to empower and train their employees to apply the highest principles of ethical behavior in the performance of their daily duties and the provision of the service that they provide to A.F. Machine.

Q-24 Product Safety Awareness

Supplier shall ensure that personnel are aware of their contribution to product and/or service conformity and their role and contribution to overall product safety.

