

**METAL SPINNERS INC. 60 WINTER STREET MALDEN, MA. 02148
SUPPLIER STANDARD QUALITY REQUIREMENTS LIST****Remark# Description**

Q100 All material and processing must be done to the most current specification revisions. It is the Suppliers responsibility to keep a current copy of QF-420-82(Supplier standard quality requirements list) and QF-450-10 (Commonly used Specifications). Current copies of these lists are located at website (<http://www.metalspin.com/vendorsite.htm>) or Contact MSI quality. If a specification is needed contact Metal Spinners Quality department for assistance.

Q101 Certification of conformance required per the applicable process sheet or customer drawing requirements, including special process requirements when applicable.

- The latest revision letter of the applicable Process sheet, Customer Drawing and/or specification must be included on the certificate of conformance.
- The Certificate of conformance must be signed by the Q.C. Manager or delegate. **Two** copies of all certifications shall be supplied with each shipment.

Q102 First article required shall include as a minimum: 100% actual inspection results and adherence to Purchase Order and Drawing requirements.

Q103 Material certification shall accompany every shipment. In the case that the material is from the same heat lot # that has already been accepted by MSI the supplier may instead of a certification, reference the heat lot # on the invoice.

Q104 Supplier is to send a copy of process sheets, process drawings, and router with initial shipment.

Q105 Non-conforming material shall be handled in accordance with customer applicable specification for non-conforming material. All nonconforming material shall be documented and approved by MSI prior to shipment.

Q106 Right of Entry: Supplier shall allow the purchaser, customer, and any regulatory agencies Right of Entry to any place necessary to determine and verify the quality of contracted work, record, and materials.

Q107 Suppliers are only authorized to use subtier suppliers that currently have an approval status applicable to MSI Customer's specification. Suppliers shall furnish documentation with each shipment. All applicable requirements will be flowed down to Subtier suppliers. All Supplied documents are controlled Items and will not be flowed down to suppliers without authorization.

Q108 This Product requires Statistical Process Control monitoring. Forward all relative documents with each shipment.

Q109 Suppliers X-ray film, technique sheet and certificate of conformance shall be sent to MSI on initial shipment. -If required by specification, The GEAE approved radiographic technique, including the original film submitted for approval, must be available in the supplier's radiographic inspection area and available for review by GEAE representatives.

Q110 Supplier shall identify surface conditions and/or anomalies on the X-ray film that are acceptable. These conditions shall also be noted on the certificate of conformance.

Q111 Thermal treatment must be performed in accordance with applicable customer's specifications.

Q112 Actual readings of hardness checks shall be included on the certificate of conformance.

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Q113 Records shall be retained at the supplier's facility in accordance with the following schedule, unless otherwise directed, and be available for purchaser's review within 48 hours after notification.

Major rotating parts - Permanently	Non-traceable, non-serialized or RL10 parts - 10 years
Traceable or serialized parts - 30 years	Administrative records - 2 years
Serial/lot number assignment - 30 years	Radiographic Film - 7 years

Q114 Material test coupons shall be supplied with the initial shipment only to MSI. There shall be at least one test coupon for every Heat # utilized. After initial shipment, test coupons shall be maintained at the supplier's facility

Q115 Raw material certification to the applicable specification shall be per an approved G.E. Laboratory. Reference specification S400 and G.E. Special Process Listing (**YELLOW PAGES**)

Q116 Part has been classified as VSE and shall be manufactured in accordance with customer's approved Process. G.E. specification P1TF17 (Vendor Source Substantiation applies)

- If no Previous approved process sheet exists, supplier shall manufacture only one part for VSE approval per the attached SSPP requirements. Supplier may manufacture all parts and submit appropriate paperwork for VSE approval, upon shipment of products to MSI. Acceptance or rejection of VSE package shall be at the supplier's risk.

- When shipping unapproved VSE material, supplier shall identify unapproved material as "**Unapproved VSE Material**" Changes to processes or sources are not permitted, unless prior written permission is granted.

Q117 G.E. Specification S1001 applies (Source Substantiation Control Requirements)

Q118 G.E. Specification S1002 applies (Supplier Quality Product Requirements)

Q119 Supplier is to send a copy of any previously approved GT7350's with initial shipment

Q120 G.E. Specification S1000 applies (Supplier Quality System Requirements)

Q121 G.E. Specification S333 applies (Source substantiation for castings)

Q122 G.E. Specification S405 applies (Furnace brazing and Evaluation of Furnace Braze Joints)

Q123 Material or processes purchased from an unapproved source shall be identified as "**UNAPPROVED MATERIAL OR PROCESS**" Forward to MSI Receiving inspection area. Metal Spinners will be notified if ISO 9001:2000 or AS9100 approval is revoked or suspended.

Q124 All items on this order require current MSDS sheets to be included with each shipment.

Q125 Authorization is required to over-ship any quantity in excess of the quantity stated.

Q126 Do not start work on the shipments received under this order until the Quantity stated on the appropriate shipping document has been verified. If a discrepancy is found, contact MSI purchasing for instructions before proceeding.

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Q127 The part(s) on this order have been found not in conformance to the drawing or applicable specifications. You are requested to investigate the nonconformance as called out on the C.A.R hold ticket returned to you with the parts. If your investigation shows that the fault is your responsibility, notify the buyer, repair or replace the part(s), and return it and the C.A.R. within 3 weeks of the date on this order. If there is no response from you within the three-week period, it will be assumed that the fault is yours and you will be debited for the full replacement price of the part(s). If you have any questions, you should call the MSI Quality Control Department for clarification.

Q128 Tooling to be returned with the product after completion of process

Q129 Government priority rating and contract number are to be referenced on all documents

Q130 Send all process certifications with product

Q131 Please use Recycled paper whenever possible

Q132 This order is for General Electric Aircraft Engines END USE

Q133 If work is needed to be subcontracted to a subtier-supplier you must notify MSI of your intentions prior to starting work. All applicable requirements will be flowed down to the subtier with the parts.

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Q134 Utilize domestic material when possible. If material is not domestic notify MSI prior to processing. Material must conform to DFARS 252.25.7008, 252.225.7009, and 252.225.7010. RDP MOU Qualifying Countries are listed at 252.225.7012. Materials supplied must conform to the U.S. Dodd-Frank Wall Street Reform and Consumer Protection Act of 2010. Reference <http://www.conflictreesourcing.org/> for guidance.

Q135 This order is for Honeywell END USE SPOC flow-down is required.

Q136 This order is for a fixed process and requires source substantiation of all processes. Fixed processes cannot be changed without written approval from Metal Spinners.

Q137 No federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of congress, or an employee of a member of congress in connection with awarding of any federal contract etc... per document for Certification Regarding lobbying activities (PL 101-121)

Q138 Multiple lots of parts shall be kept separate. **DO NOT** mix like parts numbers or material heat numbers

Q139 Orders will be considered terminated upon written instruction from Metal Spinners. Vendor must submit any termination charges, limited to cost of materials on hand, immediately upon termination. Charges submitted more than 2 weeks after the termination of an order will not be honored. No order can be terminated by the vendor without written permission from Metal Spinners. Cause must be demonstrated by vendor. Upon acceptance by MSI of termination, an agreed upon timeframe will be allowed to locate new sources.