

Micro Arc Welding

AS9100 Supplier Flow Down Requirements

The Supplier requirements below apply to all Suppliers and sub-tier Suppliers to Micro Arc providing raw materials, manufactured components and products as well as performing material processing.

a. the processes, products, and services to be provided including the identification of relevant technical data (e.g., specifications, drawings, process requirements, work instructions)

Refer to Micro Arc's Purchase Order and / or the Acknowledgement provided by Supplier.

b. the approval of: products and services; methods, processes, and equipment; the release of products and services;

Each shipment must be accompanied with requested documentation per Micro Arc Welding.

c. competence, including any required qualification of persons;

Supplier will ensure that employees and people working on its behalf are competent and trained in accordance with whatever duty they have been assigned.

d. the Supplier's interactions with Micro Arc Welding;

In addition to the other requirements recorded within this document, Suppliers shall hold all information received from Micro Arc Welding in confidence and no third-party request for information will be authorized unless approved, in writing, by Micro Arc Welding.

e. control and monitoring of Supplier's performance to be applied by Micro Arc;

Micro Arc Welding will score Suppliers based on Quality, Delivery, and Service. Suppliers that fail to perform in these areas may receive Corrective Actions and may be considered for probation or removal from Micro Arc's Approved Supplier List.

f. verification or validation activities that Micro Arc, or its customer, intends to perform at Supplier's premises;

Micro Arc and its customers reserve the right to perform verification and/or validation activities at the Supplier's premises.

g. design and development control:

Design and development control does not apply to Micro Arc Suppliers, unless otherwise specified on our PO.

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h. special requirements, critical items, or key characteristics.

As per the requirements of AS9100, Supplier is responsible for the validation, and periodic revalidation, of the ability to achieve planned results of the processes for production and service provision, where the resulting output cannot be verified by subsequent monitoring or measurement.

i. test, inspection, and verification (including production process verification);

For calibration Purchase Orders, all gauges and instruments must be calibrated using standards whose accuracies are traceable to the National Institute of Standards and Technology, the General Conference of Weights and Measures. All provided calibration certifications must specifically state this traceability.

Supplier will maintain a quality/inspection system that will ensure all goods and services conform to contract requirements whether manufactured or processed by Supplier or procured from Sub-Tier Suppliers.

j. the use of statistical techniques for product acceptance and related instructions for acceptance by Micro Arc;

The Supplier will use a C=0 sampling plan with an AQL of 1 or 100% inspection, unless otherwise specified or agreed upon in writing by Micro Arc Welding.

k. the need to:

- implement a quality management system

When specifically requested by Micro Arc Welding in writing, Supplier will maintain a quality system in compliance to recognized Quality Management Systems and/or approved by Micro Arc Welding.

- use customer-designated or approved external providers, including process sources (e.g., special processes);

When required by Micro Arc or by Micro Arc's customers, Suppliers will use customer- specified sources.

- notify Micro Arc Welding of nonconforming processes, products, or services and obtain approval for their disposition.

Micro Arc will not accept Supplier product that does not meet Purchase Order requirements. Supplier product discovered after shipment by the Supplier to be nonconforming shall be immediately disclosed to Micro Arc upon discovery, including but not limited to quantity shipped, date shipped, and the extent of the nonconformance. Suppliers that receive notification of Nonconforming product shall take appropriate action to contain the nonconforming condition and prevent it from occurring again. The Supplier will be notified if formal Corrective Action is required to be submitted to Micro Arc. The response shall be submitted within 1 week of issue or a time frame agreed upon between Micro Arc and the Supplier. Errors with paperwork shall be resolved within 24 hours.

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– prevent the use of counterfeit parts;

To prevent the purchase of counterfeit or suspect / unapproved products and to ensure product identification and traceability (and for other reasons), Supplier will institute controls that include the requirement of Material Certificates, Certificates of Conformity, and/or other supporting documentation as is appropriate.

Material and part substitutions are not allowed.

– notify Micro Arc of changes to processes, products, or services, including changes of their external providers or location of manufacture, and obtain Micro Arc's approval;

Supplier will notify Micro Arc of any change in ownership, management, or location and are subject to re-survey and approval.

Supplier will notify Micro Arc of any product or process changes or changes in approval status that affect Micro Arc product and are subject to re-survey and approval.

– flow down to external providers applicable requirements including customer requirements;

Suppliers shall flow-down to Sub-Tier Suppliers the applicable requirements as required by the purchase order either specifically or by reference.

– provide test specimens for design approval, inspection/verification, investigation, or auditing;

When requested by Micro Arc or its customers, Supplier will provide test specimens for inspection/verification, investigation and/or auditing purposes.

– retain documented information, including retention periods and disposition requirements;

Unless otherwise specified on the Purchase Order, the latest specification revision in effect at the time the lot of raw material/parts was originally manufactured or processed shall apply. In the event a document has been superseded, the latest revision of the superseding document shall apply. All certifications, test reports, and inspection reports, as well as receiving inspection, in-process inspection, final inspection, and calibration records shall be retained for a minimum of ten years, unless otherwise specified by Micro Arc. These records will be made available to Micro Arc, Micro Arc customers, or regulatory agency upon request.

– prevent Foreign Object Debris

Supplier is required to establish and maintain a Foreign Object Debris (FOD) prevention program that employs appropriate housekeeping practices to assure timely detection and removal of residue/debris generated, during operations and normal daily tasks.

I. the right of access by Micro Arc, Micro Arc's customer, and regulatory authorities to the applicable areas of facilities and to applicable documented information, at any level of the supply chain;

Micro Arc and Micro Arc's customers reserve the right to perform an on-site inspection of the Supplier's facility or visit the facility. Micro Arc will give reasonable notification to the Supplier prior to the on-site inspection. The on-site inspection may include surveillance of the Supplier's facilities, procedures, production methods, processes, and the Supplier's Quality System. The Supplier shall furnish, at no cost, the necessary data as required by applicable drawings, Purchase Order, specifications, and inspection instructions to facilitate the on-site inspection.

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m. ensuring that persons are aware of: their contribution to product or service conformity; their contribution to product safety; the importance of ethical behavior.

Supplier must be committed to the highest standards of ethics and business conduct. Supplier must comply with the law, honor commitments, act in good faith, and be accountable. Supplier must strive to maintain full compliance with all laws and regulations applicable to the operation of the business and customer relationships. Supplier must not offer, promise, authorize, or provide, directly or indirectly, anything of value (including business gifts or courtesies) with the intent or effect of inducing anyone to engage in unfair business practices. Supplier will avoid involvement in activities that may be perceived as a conflict-of-interest. Supplier will respect the legitimate proprietary rights and intellectual property rights of customers and Suppliers and take proper care to protect sensitive information, including confidential, proprietary and personal information.

Supplier will support product safety by ensuring robust management of special requirements, critical items and key characteristics. If there are concerns with respect to product safety, Supplier will communicate them to Micro Arc. If there is a concern at the Supplier's premises with respect to safety during the manufacture of the product, Supplier will notify its own employees of the concern and whenever possible, mitigate the concern.

Supplier will ensure that employees and people working on its behalf are aware of:

- Their contribution to product or service conformity
- Their contribution to product safety
- The importance of ethical behavior