	<b>Joining Technologies</b> <b>Purchasing Terms and Conditions</b>		
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**Joining Technologies**  
**17 Connecticut South Dr.**  
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**Phone: (860) 653-0111**  
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Dear valued supplier,

In order to maintain compliance with clause 7.4.2 of AS9100 (the aerospace addition to the ISO-9001, 2000 standard), Joining Technologies is required to communicate the purchasing terms and conditions outlined below. Please review the terms and conditions outlined below and retain a copy of this document for your records.

We thank you in advance for your time and for helping Joining Technologies maintain a high standard of quality. Please contact Quality Assurance at Joining Technologies with any questions or concerns you may have.

**General Terms and Conditions**

**Joining Technologies requires all suppliers to provide notification via phone followed by written notification (mail, email or fax) upon the detection of nonconforming product.**

**Joining Technologies requires suppliers to maintain records that support evidence of conformity to requirements such as production records, product verification records, material certificates, and nonconforming reports relative to products or services we purchase. These records shall remain legible, readily identifiable, and retrievable. Record retention periods shall be relative to the product life or five years, which ever is greater.**


**Joining Technologies reserves the right to determine if material is nonconforming and to reject and return nonconforming material. Payment for material determined to be nonconforming does not constitute acceptance.**

**Suppliers are required to notify Joining Technologies prior to shipment of any changes in product and/or process definition and, where required obtain approval from Joining Technologies.**

**The right of access is assumed by Joining Technologies, our customers, and regulatory authorities to all facilities involved in the order and to all applicable records.**

**Joining Technologies requires that our suppliers flow down to sub-tier suppliers the applicable requirements in our purchasing documentation, including key characteristics where required.**

**Please Continue for Material and Service Specific Requirements and Change Notification Policy**

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### Material and Service Specific Requirements

Joining Technologies requires suppliers who provide any of the following materials or services to adhere to the following process control(s). If the following requirements cannot be met, or if any specification or instructions outlined on the purchase order cannot be met, do not process the order. Please contact Joining Technologies.

- **Y\_5600-CHROMATE (Chromate), Y\_5600-CLEAN (Material Cleaning Services), Y\_5600-ELTROPOL (Material Electro polishing Services), Y\_5600-FINISH (Finishing or Coating Services), Y\_5600-PASSIVAT (Passivation Services) or any other material finishing process performed as a subcontracted service** must be returned to Joining Technologies accompanied by a Certificate of Conformance stating that the material was processed in accordance with any specifications or instructions outlined on the purchase order and/or applicable drawing.
- **Y\_5600-ENGSVR (Engineering Services) or any design services performed as a subcontracted service** must be returned to Joining Technologies accompanied by one or more of the following: Certificate of Conformance, Design Drawing(s), a Process or Machine Capability Study.
- **Y\_5600-FPI (FPI or MPI Inspection), Y\_5600-INSPECT (General Inspection and Testing), Y\_5600-XRAY (X-Ray Inspection)** must be returned to Joining Technologies accompanied by Certificates of Conformance or Inspection with test results data stating that the material was processed in accordance with any specifications or instructions outlined on the purchase order and/or applicable drawing. When applicable and when requested, personnel qualification records must be provided.
- **Y\_5600-HEATTRET (Heat Treatment)** must be returned to Joining Technologies accompanied by a Certificate of Conformance verifying that the material was processed in accordance with any specifications or instructions outlined on the purchase order and/or applicable drawing.
- **Y\_5600-LSRCUT (Laser Cut), Y\_5600-LSRETCH (Laser Etch), Y\_5600-MACHINE (Machining), Y\_5600-REPAIR (Repair), Y\_5600-WELD (Welding)** must be returned to Joining Technologies accompanied by a Certificate of Conformance with data stating that the material was processed in accordance with any specifications or instructions outlined on the purchase order and/or applicable drawing. When applicable and when requested, personnel qualification records must be provided.
- **Y\_5606-CALIBRAT (Calibration of equipment)** an ANSI traceable calibration must be performed. A Certificate of Calibration must be provided with before and after test results data for the item being calibrated. The certificate must state the test equipment and its calibration dates. When applicable and when requested, personnel qualification records must be provided and any specific conditions stated on the purchase order shall be met.
- **RAW MATERIAL including but not limited to: weld wire, shim stock, bar, sheet, plate, rod, foil, metallic powder, etc. which are purchased with a Joining Technologies item number beginning with the prefix “Y\_”** are to be delivered to Joining Technologies accompanied by a Certificate of Conformance. If requested on the purchase order, a raw material composition data sheet shall be provided.
- **FABRICATED OR PRE-FABRICATED COMPONENTS including but not limited to: unique items designed to print, springs, clips, flanges, guards, tubes, caps etc. which are purchased with a Joining Technologies item number beginning with the prefix “Y\_”** are to be delivered to Joining Technologies accompanied by a Certificate of Conformance which states that the material was processed in accordance with any specifications or instructions outlined on the purchase order and/or applicable drawing. If requested on the purchase order, a raw material composition data sheet shall be provided.

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- **SHIELDING GAS** requirements shall meet or exceed those listed in AWS D17.1 (Table 5.1):

AWS D17.1:2000 Table 5.1 Gas Requirements		
Gas	Specification	Alternate Specification
Argon	MIL-A-18455	CGA G-11.1
Helium	BB-H-1168	CGA G-9.1
Oxygen	B-O-925, Type I or II	CGA G-4.3
Nitrogen	A-A-59503, Type I or II, Class 1, Grade B	CGA G-10.1
Hydrogen	BB-H-886, Type I or II	CGA G-5.3
Acetylene	BB-A-106, Grade B	CGA G-1.1
Carbon Dioxide	BB-C-101, Grade B	CGA G-6.2
Gas Mixtures	The purity of the gases in the mixture shall be as specified for the individual gas listed above. Composition of the gas mixture shall be as specified by the customer	

### **Change Notification Policy**

Joining Technologies performs services for customers who manufacture and market regulated products including medical devices that fall under the purview of various regulatory agencies including the Food and Drug Administration (FDA). These products and devices require various levels of approval and review by their respective regulatory agencies. In order to maintain compliance with any approvals and reviews performed by any agency, for the sake of patient safety, and compliance to FDA regulations, Joining Technologies must be notified prior to process and material changes made by our suppliers or sub-tier suppliers. Written approval from Joining Technologies is required *before* changes can be implemented. At a minimum, prior notification and written acceptance is required in the following cases:

- 1) The change affects or alters compliance to any drawing or print requirement. This applies even if the Supplier creates their own drawing or print based on one provided by Joining Technologies.
- 2) A change in manufacturing location – even if the new location is owned and/or managed by the original Supplier.
- 3) Modification of material grade, quality, or characteristics, whether in the raw or finished state.
- 4) Change in material supplier.
- 5) A change in process specification(s) outside previously validated process parameters.
- 6) Changes to any process documentation previously approved by Joining Technologies. Typically, this will be process documentation developed or written specifically for products produced for Joining Technologies.
- 7) A change to surface cleanliness or surface coatings; examples include mold release agents, cutting oils, cleaners, etc.
- 8) Drawings or prints with Critical-to-Quality (CTQ) or Key Characteristic features identified on them will receive a higher level of scrutiny. Similarly, processes or materials that affect CTQ features or Key Characteristics will also receive increased scrutiny.
- 9) Any changes to types of machinery or processes. For instance, changing a manual process to an automated process, or changing a soldering operation to a welding operation.
- 10) Changes to release specifications for parts.

Any risk arising from changes made by Suppliers or sub-tier Suppliers without Joining Technologies' written approval is solely the responsibility of the Supplier or sub-tier Supplier. The most effective method to limit or eliminate risk is to contact Joining Technologies and receive written approval of the change *prior to implementation*.

### **End of Document**