

Supplier Flow-Down Requirements

Scope. These requirements apply to all suppliers and their sub-tier suppliers providing:

A. Equipment, parts, materials, and services used in American Isostatic Presses (AIP) builds or fielded systems; and/or

B. Isostatic toll services (e.g., HIP/CIP) performed on our or our customers' parts.
Baseline Quality Standards.

- Maintain and apply an effective quality management system compliant with AS9100D (or ISO 9001:2015 with aviation add-ons as applicable).
- For aerospace engine/rotating components or where specified, comply with AS13100 supplemental quality requirements.
- For special processes (e.g., HIP/CIP, heat treat, NDT, coatings), hold and maintain NADCAP accreditation for the relevant process, when specified on the PO.

1) Regulatory & Ethical Compliance

- Comply with all applicable laws and regulations (including product safety, environmental, and export controls such as ITAR/EAR).
- Prevent counterfeit or suspect/unapproved parts; use traceable, authorized sources only.
- Adhere to high standards of business ethics and employee safety; report concerns that may affect product conformity or safety.

2) Configuration, Design, and Changes

- AIP (Design & Development—ISO 9001:2015 8.3): When providing design/development, implement documented 8.3 controls (planning, inputs, reviews, verification, validation, outputs, and controlled changes). Provide design records and risk assessments upon request.
- Change Control (All): Do not change materials, process, equipment, facility location, sub-tiers, or key personnel qualifications without prior written approval. Notify us of any potential obsolescence or substitution.

3) Special Process Control (HIP/CIP/WIP and other NADCAP processes)

- Execute only to approved procedures and current specifications listed on the PO/drawing.
- Record and retain complete run data (e.g., load map, temperature/pressure/vacuum profile, hold times, cooling rates, equipment ID, sensor IDs, lot/serial traceability). Provide upon request or with shipment when required.
- Maintain calibrated instrumentation and qualified operators; perform periodic system accuracy checks and leak-checks.

- Manage pyrometry and pressure/temperature measurement to current industry standards and internal procedures (retain objective evidence).

4) Product Conformity, Inspection & Test

- Implement inspection and verification to the PO/drawing/specification, including key and critical characteristics where identified.
- Provide a Certificate of Conformance (CoC) with each shipment stating: PO number, part number/rev, serial or lot numbers, quantity, specs/revisions applied, and statement of conformity. Include raw material certifications and special process certificates, as applicable.
- Use suitable packaging to prevent FOD/damage; identify each package with part number, quantity, and traceability.

5) Nonconformance & Corrective Action

- Do not ship known nonconformances without our written deviation/waiver.
- If a nonconformance is discovered post-delivery, notify us within 24 hours with full containment and risk assessment.
- Respond to corrective action requests with root cause, containment, corrective and preventive actions, and effectiveness evidence by the due date.

6) Traceability & Record Retention

- Maintain full traceability from raw material through final product and special processes.
- Retain quality and production records (including design, calibration, lot history, HIP/CIP run charts, CoCs) for minimum 10 years unless otherwise specified; do not destroy records without written approval.

7) Right of Access & Customer Requirements

- Provide right of access for our organization, our customers, and regulatory authorities to applicable facilities, processes, records, and product.
- Flow down all applicable requirements—including key characteristics, special process controls, and these clauses—to sub-tier suppliers.

8) On-Time Delivery & Communication

- Meet the PO delivery date(s); notify us immediately of any risk to schedule or conformity.
- Provide advance notice for any capacity constraints affecting our orders.

9) Measurement & Calibration

- Use calibrated inspection, test, and monitoring equipment traceable to national/international standards. Keep calibration records available.

10) Additional AS13100 Expectations (when invoked on PO)

- Apply risk-based APQP/PPAP-style planning, process capability for key characteristics, MSA where applicable, robust change management, and escape management aligned to AS13100. Provide control plans and FAIR/PPAP packages upon request.