

GENERAL DYNAMICS

Ordnance and Tactical Systems

Healdsburg Supplier Quality Requirements

QR-0055

Revision	Date
-	02/27/2019

Titanium Compatibility

Revision History

REV.	CN #	DATE INCORP.	NOTES
-	40764	02/27/2019	Initial Release

Requirements

Titanium components, or assemblies containing titanium components, shall not be exposed to Zinc, Silver, Cadmium, Methyl Alcohol, Hydrochloric Acid, Chlorinated or Fluorinated Organic Solvents, or substances containing these chemicals (for example Chlorinated Cutting Oils).

Facility water is a compatible liquid for processing Titanium and Titanium alloys provided;

- During processing, suppliers must perform a DI water rinse to remove residues prior to operation requiring heating parts above 200°F
- If the parts are otherwise processed using facility water, then a DI water rinse is required, to remove residual Chloride and Sodium ions, prior to shipment.

Seller shall provide certification specifically to meeting this requirement. Buyer reserves the right to audit the seller's process to ensure conformance to this requirement.

Notes

Materials that have passed testing IAW ASTM F945 are generally acceptable for use in processing of titanium parts.