



Date: 4/9/2025

To: Spirit AeroSystems Inc. Suppliers

Subject: Machining, cutting, finishing & surface integrity of Titanium with respects to molten fines contamination:

This notification is to generate awareness of **potential risks** when machining, cutting & surface finishing of titanium parts.

1. The generation of sparks when working titanium has the potential for creating adhering/molten fines.
2. The result is hard alpha case and heat affected zones (HAZ) under welded or adhered particle that may lead to diminished fatigue life of product.
3. It is the responsibility of the supplier to address parts /processes with sub-tiers.

Please review your Spirit Statement of work & validate the production processes for any titanium parts to *ensure they meet the requirements within the relative program process specs* (e.g. BAC5492, A2PS 188-001, ACS-PRS-1007, etc.).

If you have questions/concerns, please contact your Spirit Supplier Quality Representative.