



Able Electropolishing Co.  
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## #1016 - Micro Finish Improvement/ Decorative

**Industry:** Aerospace - Manufacturers of piston assemblies for the aircraft industry

**Mfg/Method:** Drawn/Stamping

**Alloy:** 347 stainless steel

**Problem:** This part is used as a flex coupling and has seal rings inserted inside. The part is copper plated to act as a mask prior to Malcomizing/heat treating. After Malcomizing, the 'Sleeve' is stripped of the copper plating by reverse electrolysis. This leaves a rough surface finish



**Solution:** The entire component was electropolished with specifications to remove a controlled amount of material to achieve the required surface finish. The 'Sleeve' is bright and has a uniform finish. We provide special handling, inspection and packaging.

**Note to engineer:** *Most heat treating operations produce at the minimum, heat discoloration, and at worst, heavy scale. Electropolishing is often specified as a post-heat treating operation to remove surface contamination. However, proper handling and pre-heat treat operations can maximize end finish results. Please contact our technical representatives for further information.*