

## ***ArmaKleen Technical Service Report Summary***

**Cleaning Trial Type:** Aqueous

**Industry:** Electrical component Manufacturing

**Segment:** 26 – Fabricated Metal Products

**Soil:** shop dirt, oil, cutting fluids and drawing lube.

**Substrate:** Stainless Steel

**Description of Part(s):** Six stainless steel transmitter/connectors

**Customer objective:** The customer was looking to improve their cleaning performance, automate their cleaning process and eliminate hazardous chemical/waste.

**Cleaner used:** 5% by volume solution of ArmaKleen™ 4 in 1 Cleaner

**Machine used:**

- Spray Under Immersion Washer (Graymills T12, Graymills T24, SK Model 81.8 w/SUI)
- Ultrasonic Washer (SK Blackstone 6315)

**Temperature used:** 160°F

**Time required:** 0.25-1 hour

**Post Cleaning:** Fresh water rinse followed by air pressure drying

**Recommendation to Customer:** The ArmaKleen Technical Center recommends using a 5% by volume solution of ArmaKleen™ 4 in 1 Cleaner at 160°F in an Ultrasonic Washer for a minimum of 15 minutes to 1 hour or a 5% by volume solution of ArmaKleen™ 4 in 1 Cleaner at 150°F in a Spray-Under Immersion Washer for a minimum of 15 minutes to 1 hour.

**Before Picture**



**After Picture**



**Source:** TSR #16-A-029