

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

**Cleaning Trial Type:** Aqueous

**Industry:** Fastener Distribution

**Segment:** 29 – Mfg – Miscellaneous

**Soil:** Shop dirt, oil, grime, grease, rust/oxides and diesel oil

**Substrate:** Brass

**Description of Part(s):** Thirteen 360-brass connectors

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

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

**Machine used:** Ultrasonic Washer (SK Blackstone 6315)

**Temperature used:** 140°F

**Time required:** 15-30 minutes

**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 15-30 minutes.

**Before Picture**



**After Picture**



**Source:** TSR #16-A-077