

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

**Cleaning Trial Type:** Aqueous

**Industry:** LED light manufacturing

**Segment:** 23 – Mfg – Electrical Equipment and Computers

**Soil:** Baked on carbon, baked on gases from injection mold

**Substrate:** Brass

**Description of Part(s):** Dies

**Customer objective:** Improve cleaning performance, automate cleaning process, reduce rework/reject rate, recover scrap parts

**Cleaner used:**

- 5% by volume solution of ArmaKleen™ 4 in 1 Cleaner
- 10% by volume solution of ArmaKleen™ M-100 BCR

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

**Temperature used:** 160°F

**Time required:** 4-8 hours

**Post Cleaning:** Fresh water rinse and air pressure drying

**Recommendation to Customer:** The ArmaKleen Technical Center recommends using a 10% by volume solution of ArmaKleen™ M-100 BCR at 160°F in an Ultrasonic Washer for a minimum of 4 hours

**Before Picture**



**After Picture**



**Source:** TSR #17-A-197