

## ArmaKleen Technical Service Report Summary

**Cleaning Trial Type:** Aqueous

**Industry:** Thread manufacturing

**Segment:** 23 MFG – Electrical Equipment & Computers

**Soil:** Oil, grime and grease

**Substrate:** Plastic

**Description of Part(s):** Plastic spools

**Customer objective:** The customer was looking to improve their cleaning process, automate their cleaning process and reduce rework and reject rate.

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

**Machine used:**

1. Spray Washer (TL3, FL250, FL500)
2. Spray Under Immersion Washer (T12, T24, 40.1, 81.8 w/SUI)
3. Agitating Immersion Washer (81.8, T12, T24)

**Temperature used:** 160°F

**Time required:** 15 minutes

**Post Cleaning:** Fresh water rinse followed by air pressure drying. Light brushing with a nylon bristle brush was used on the trials in the Spray Under Immersion Washer and Agitating Immersion Washer.

**Recommendation to Customer:** The ArmaKleen Technical Center recommended using 5% by volume ArmaKleen™ 4 in 1 Cleaner at 160°F in a Spray Washer for a minimum of 15 minutes.

**Before Picture**



**After Picture**



Source: TSR #13-A-066