

ArmaKleen Technical Service Report Summary

Cleaning Trial Type: Aqueous

Industry: Surgical and medical instrument manufacturer

Segment: 34 – Mfg – Non-Metal (Plastic, Rubber, Glass)

Soil: cutting fluids and grease (*Etching Fluids, ECM Fluids, Pointing Fluids, End Forming and CNC Swiss Lathe Fluids*)

Substrate: stainless steel, aluminum and titanium

Description of Part(s): an assortment of needles

Customer objective: The customer was looking to introduce a pre-clean cleaning process prior to parts being cleaned

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

Machine used:

- Ultrasonic Washer (SK Blackstone model 6315)
- Agitating Immersion (SK Model 81.8, Graymills T24)
- Spray Under Immersion Washer (Graymills T12, Graymills T24, SK Model 81.8 w/SUI)
- Spray Washer (JRI TL3, JRI FL250, JRI FL500, Better Engineering G-2000)

Temperature used: 150°F – 160°F

Time required: 15-30 minutes

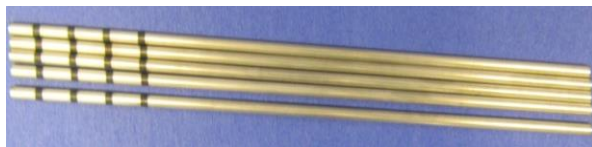
Post Cleaning: De-ionize water rinse followed by air pressure drying.

Recommendation to Customer: The ArmaKleen Technical Center recommends using a 5% by volume solution of ArmaKleen™ 4 in 1 Cleaner at 150°F in an Agitating Immersion Washer or at 150°F in a Spray-Under Immersion Washer or at 160°F in an Ultrasonic Washer or at 160°F in a Spray Washer for a minimum of 15-30 minutes.

Before Picture



After Picture



Source: TSR #17-A-097