

ArmaKleen Technical Service Report Summary

Cleaning Trial Type: Aqueous

Industry: OEM parts manufacturing

Segment: 26 Fabricated Metal Products

Soil: Cutting fluids, machine coolant and machining chips

Substrate: Aluminum

Description of Part(s): Aluminum brackets

Customer objective: The customer was looking to improve their cleaning performance, automate their cleaning process and reduce their cleaning costs.

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

Machine used:

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

Temperature used: 160°F

Time required: 15 minutes

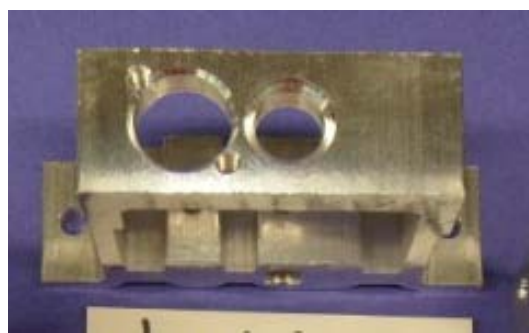
Post Cleaning: Fresh water rinse followed by air pressure drying

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

Before Picture



After Picture



Source: TSR #13-A-233