

ArmaKleen Technical Service Report Summary

Cleaning Trial Type: Aqueous

Industry: Stamping

Segment: 26 Fabricated Metals

Soil: Drawing lube

Substrate: Tin-plated copper alloy

Description of Part(s): Pins

Customer objective: Improve cleaning performance, automate cleaning process, reduce rework and reject rate

Cleaner used: 5% by volume ArmaKleen™ BIO-24

Machine used:

- Ultrasonic Washer (SK Blackstone 6315)
- Spray Under Immersion Washer (Graymills T12, Graymills T24, SK Model 81.8 w/ SUI)

Temperature used:

- 160°F
- 150°F

Time required: 15 minutes

Post Cleaning: Half of the parts were rinsed with fresh water and air pressure dried, while the other half were not rinsed and air pressure dried

Recommendation to Customer: The ArmaKleen Technical Center recommends using a 5% by volume solution of ArmaKleen™ Bio 24 at 150°F in a Spray-Under Immersion Washer for a minimum of 15 minutes or a 5% by volume solution of ArmaKleen™ Bio 24 at 160°F in an Ultrasonic Washer for a minimum of 15 minutes

Before Picture



After Picture



Source: TSR #19-A-004