

ArmaKleen Technical Service Report Summary

Cleaning Trial Type: Aqueous

Industry: Pulverizer Manufacturing

Segment: 28 Machine (including Medical) Manufacturing

Soil: Oil

Substrate: Steel

Description of Part(s): Assortment of male and female clips

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

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

Machine used:

- Spray Washer (JRI FL 250, JRI FL 500, JRI TL 3)
- Ultrasonic Washer (SK Blackstone 6315)
- Spray Under Immersion washer (Graymills T12, Graymills T24, SK Model 81.8 w/ SUI)

Temperature used:

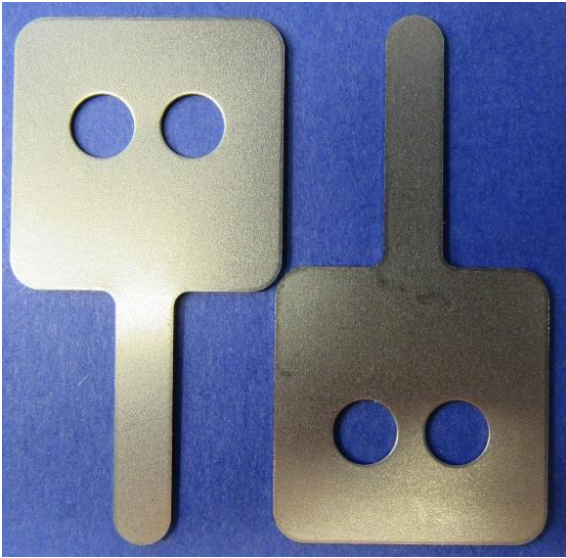
- 160°F
- 160°F
- 150°F

Time required: 2 hours

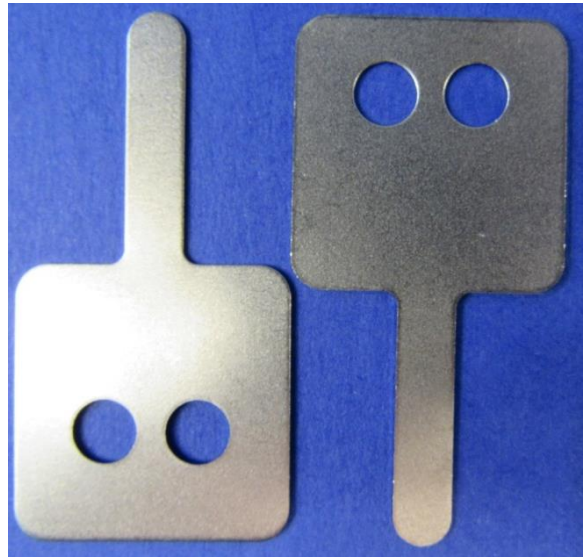
Post Cleaning: Fresh water rinse and air pressure dried, followed by further drying in an incubator at 220°F

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 30 minutes to 2 hours or a 5% by volume solution of ArmaKleen™ Bio 24 at 160°F in a Spray Washer or an Ultrasonic Washer for a minimum of 30 minutes to 2 hours

Before Picture



After Picture



Source: TSR #19-A-007