

## ***ArmaKleen Technical Service Report Summary***

**Cleaning Trial Type:** Aqueous

**Industry:** Machined Parts Manufacturing

**Segment:** Machine (Including Medical) Manufacturing

**Soil:** Oil, grime, cutting fluids, bending lube

**Substrate:** Stainless steel, aluminum

**Description of Part(s):** Pipes

**Customer objective:** Improve cleaning performance, automate cleaning process, reduce VOCs

**Cleaner used:**

- 10% by volume solution of ArmaKleen™ M-100 BCR
- 5% by volume solution of ArmaKleen™ BIO-24

**Machine used:** Spray Under Immersion Washer (Graymills T12, Graymills T24, SK Model 81.8 w/ SUI)

**Temperature used:** 160°F

**Time required:** 15-30 minutes

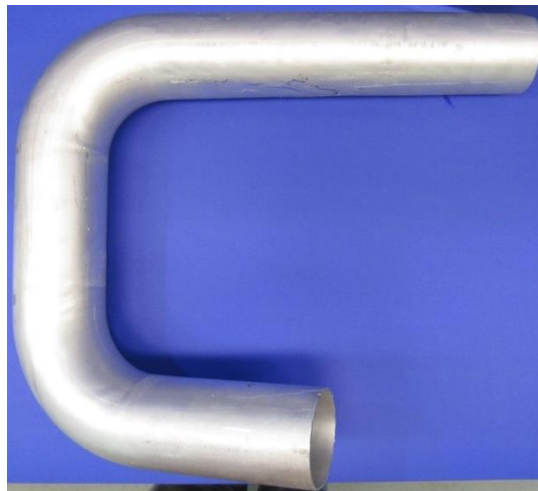
**Post Cleaning:** Fresh water rinse and air pressure dried

**Recommendation to Customer:** The ArmaKleen Technical Center recommends using a 10% by volume solution of ArmaKleen™ M-100 BCR at 160°F in a Spray-Under Immersion Washer or a 5% by volume solution of ArmaKleen™ Bio 24 at 160°F in a Spray-Immersion Washer for a minimum of 15-30 minutes

**Before Picture**



**After Picture**



**Source:** TSR #18-A-032