# CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2002

DateRun: 01/30/2002

Experimenters: Heidi Wilcox

ClientType: Lab

ProjectNumber: Project #1

Substrates: Stainless Steel

PartType: Coupon

Contaminants: Adhesive

Cleaning Methods: Media Blasting

Analytical Methods: Gravimetric

Purpose: Laboratory evaluations of alternative cleaning products

Experimental Procedure: Basic cleaning performance testing was conducted using ASTM G122 as the bases for cleaning.

Cleaning: Media Blast with Baking Soda in machine from BSC Co Inc, Blasted each coupon 20-30 seconds under pressure of 80-100 psi
Rinsing: 1/2 minute with tap water, manual, at 120 F
Drying: Heat gun at 500 F
Contaminant: Aroset PS 8078, Ashland Chemical

Results:

Summary:

| **Substrates:** | Stainless Steel | | | | |
|---|---|---|---|---|---|
| **Contaminants:** | Adhesive | | | | |
| **Company Name:** | **Product Name:** | **Conc.:** | **Efficiency:** | **Effective:** | **Observations:** |
| Armex Cleaning and Coating Removal Systems | Sodium Bicarbonate | 100 | 0.04 | ☐ | 1-2 minute media blasting, coupons 20 - 22 |
| Armex Cleaning and Coating Removal Systems | Sodium Bicarbonate | 100 | 0.02 | ☐ | 10-20 second media blasting, coupons 23-25 |

Conclusion: Media Blasting with baking soda is very ineffective on tacky adhesive. Used coupons 20 - 25 from trial 161. Did media blasting on 23 - 25 for standard time of 10 - 20 seconds with poor results. Media blasted coupons 20 - 22 for much longer time frame may help, but not likely.