CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2002

DateRun: 01/17/2002

Experimenters: Heidi Wilcox

ClientType: Lab

ProjectNumber: Project #1

Substrates: Stainless Steel

PartType: Coupon

Contaminants: Inks

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: ITW Dykem, Ink, Steel blue-DX-

Results:

Summary:

Substrates:	Stainless Steel				
Contaminants:	Inks				
Company Name:	**Product Name:**	**Conc.:**	**Efficiency:**	**Effective:**	**Observations:**
Armex Cleaning and Coating Removal Systems	Sodium Bicarbonate	100	100.96	☑	three coats of ink on coupons, heavier contaminant
Armex Cleaning and Coating Removal Systems	Sodium Bicarbonate	100	104.33	☑	one coat of ink on coupon

Conclusion: Media Blasting was found to be effective for both sets of coupons. First set had one coat of the ink on it and the second set had three. The blasting took approximately 2 minutes for a set of three coupons.