

CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2002
 DateRun: 01/18/2002
 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	<input checked="" type="checkbox"/>	three coats of ink on coupons, heavier contaminant
Armex Cleaning and Coating Removal Systems	Sodium Bicarbonate	100	104.33	<input checked="" type="checkbox"/>	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.