

CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2002

DateRun: 01/18/2002

Experimenters: Heidi Wilcox

ClientType: Lab

ProjectNumber: Project #1

Substrates: Alloys

PartType: Coupon

Contaminants: Inks

Cleaning Methods: Ultrasonics

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.
 Degasing: Degasing the solution by keeping solutions in ultrasonic crest for 5 min at 120 F.
 Cleaning: Ultrasonic for 2 min. at 120 F.
 Rinsing: 1/2 min. manual with water at 120 F.
 Contaminant: ITW, Dykem Corp, Ink, Steel Blue - DX - 100

Results:

Summary:

Substrates:	Alloys				
Contaminants:	Inks				
Company Name:	Product Name:	Conc.:	Efficiency:	Effective:	Observations:
Valtech Corporation	Valtron SP 2201	5	12.86	<input type="checkbox"/>	
Kleer Flo Company	Grease Off 2	5	18.57	<input type="checkbox"/>	
Valtech Corporation	Valtron SP 2200	2	26.68	<input type="checkbox"/>	
International Products Corporation	LF 2100 (Liquid Foam Cleaner)	5	-20.67	<input type="checkbox"/>	
US Polychem Corporation	Polychem PW 147	5	104.00	<input checked="" type="checkbox"/>	

Conclusion: Only Perfect way 147 was found to be effective with 104% removal on average. This differs from trial 147, where the same ultrasonics and cleaners were used (except for Natural Blue was used in Trial 147) after 5-minute immersion cleaning in trial 145.