

CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2003
 DateRun: 01/10/2003
 Experimenters: Heidi Wilcox
 ClientType: Lab
 ProjectNumber: Project #1
 Substrates: Stainless Steel
 PartType: Coupon
 Contaminants: Greases
 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.
 Degassing: Degassing the solution by keeping solutions in ultrasonic crest for 5 min at 120 F.
 Cleaning: Ultrasonic for 5 min. at 120 F.
 Rinsing: 1/2 min. manual with water at 120 F.
 Drying: 30 seconds, heat gun 500 F

Results:

Summary:

Substrates:	Stainless Steel				
Contaminants:	Greases				
Company Name:	Product Name:	Conc.:	Efficiency:	Effective:	Observations:
Ashland Specialty Chemical Company	Perchloroethylene	5	8.36	<input type="checkbox"/>	
Brulin Corporation	Airshow W	5	-0.53	<input type="checkbox"/>	
BioGenesis Enterprises Inc	BG Solv 717 Ink & Graffiti Cleaner	100	87.24	<input checked="" type="checkbox"/>	
Gemtek Products	SC EZ Solv Safety Solvent	100	5.24	<input type="checkbox"/>	
CRC Industries	HydroForce Butyl-Free All Purpose Cleaner	100	99.05	<input checked="" type="checkbox"/>	
Buckeye International	Work Out	5	-0.45	<input type="checkbox"/>	

Conclusion: Took four worst sets of coupons from previous trial and tried more energy by using Ultrasonics to clean for between 5-10 minutes.