

CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2011
 DateRun: 07/22/2011
 Experimenters: Heidi Wilcox
 ClientType:
 ProjectNumber: Project #1
 Substrates: Plastic
 PartType: Coupon
 Contaminants: Resins/Rosins
 Cleaning Methods: Low Pressure Spray
 Analytical Methods: Visual
 Purpose: To evaluate CO2 snow gun equipment for effectiveness in removing resin from plastic pallets or trays
 Experimental Procedure: CO2 was sprayed on the resin drops directly and the resin drops were then scraped off. The CO2 was sprayed at time intervals of 10, 20 and 30 seconds.
 Results: The CO2 sprayed on the drops of resin for 20 seconds worked the best overall and allowed the resin to be scraped off easily.

Summary:

Substrates:	Plastic				
Contaminants:	Resins/Rosins				
Company Name:	Product Name:	Conc.:	Efficiency:	Effective:	Observations:
Applied Surface Technologies	CO2 Snowflakes, Low Flow	100		<input checked="" type="checkbox"/>	
Fisher Scientific	Absolute Ethanol	0	0.00	<input type="checkbox"/>	

Conclusion: CO2 with a snow gun apparatus could be a viable cleaning method for the resin on the plastic pallets. Chemical cleaners will be tried next.