

CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 1996

DateRun: 05/13/1996

Experimenters: Jay Jankauskas

ClientType: Ceramic Coating Company

ProjectNumber: Project #1

Substrates: Steel, Teflon

PartType: Part

Contaminants: Coatings, Resins/Rosins

Cleaning Methods: Mechanical Agitation

Analytical Methods: Visual

Purpose: Results of Requested Testing

Experimental Procedure: We have just finished up a round of tests to determine an alternative cleaning method for removing the dried-on slurries from the screens that you supplied to us. The testing that we have performed was divided up into two parts.
The first part of the testing was to find an environmentally friendly chemical that would remove the dried-on slurries from the screens. Nine different chemicals from three basic categories (terpenes, aqueous, and solvent) were tested.
The second part of the testing used a sodium bicarbonate blasting procedure from AA Environmental in Woburn.

Results: Part 1
None of these chemistries even showed any possibility of being effective, so this part of the testing was abandoned.
Part 2
This procedure was very effective. It took only a few seconds to remove all of the clay from half of a sample screen. The blasting procedure can either be hired on a contract basis where AA Environmental will come to your facility and clean the screens, or you can purchase your own blasting equipment. Judging from the number of screens you plan to clean in a day, it would probably be more economic to hire AA Environmental on a contract basis.

Summary:

Substrates:	Steel, Teflon					
Contaminants:	Coatings, Resins/Rosins					
Company Name:	Product Name:	Conc.:	Efficiency:	Effective:	Observations:	
Armex Cleaning and Coating Removal Systems	Sodium Bicarbonate	100		<input checked="" type="checkbox"/>		

Conclusion: I have enclosed some information on AA Environmental and the Armex Sodium Bicarbonate Blasting unit. I have also enclosed the screen that was cleaned at AA Environmental along with a more detailed description of the testing performed. I will contact you by the end of the week to answer any questions that you may have or to perform more testing if you desire.