

# CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 1998  
 DateRun: 11/04/1998  
 Experimenters: Jason Marshall  
 ClientType: Ceramic Decal Printer  
 ProjectNumber: Project #1  
 Substrates: Plastic  
 PartType: Part  
 Contaminants: Inks  
 Cleaning Methods: Manual Wipe  
 Analytical Methods: Visual

Purpose: To determine the effects of cleaner on the photographic stencil film.

Experimental Procedure: The metal screen had been coated with the ink and cover coat at the client's facility. The cleaning solution was applied to paper towels. The first towel was wiped across the portion of the screen covered by the ink. A second paper towel was used to clean the coating. Observations were made to determine the effect the cleaner had on the CDF Direct film.

SUBSTRATE MATERIAL: CDF Direct-Film (Photographic Stencil Films)/Stainless Steel Screen  
 CONTAMINANTS: Ink-Cerdec Magenta & Coating-Engelhard Covercoat L406/25 Clear (Naptha, Butyl Benzyl Phthalate and Trimethybenzene)

Results: Both contaminants were removed in under five minutes. The removal of the coating took slightly longer than the ink. The cleaning solution did not appear to have any ill effects on the CDF film.

Summary:

<b>Substrates:</b>		Plastic				
<b>Contaminants:</b>		Inks				
<b>Company Name:</b>	<b>Product Name:</b>	<b>Conc.:</b>	<b>Efficiency:</b>	<b>Effective:</b>	<b>Observations:</b>	
Bio Chem Systems	Bio T Max	100		<input checked="" type="checkbox"/>		

Conclusion: After cleaning the stainless steel screen and CDF film, Envirosolutions Bio T Max appears to be effective in removing both the ink and the clear coating. No film degradation was observed during and after the cleaning.