

CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2002
 DateRun: 06/26/2002
 Experimenters: Jason Marshall
 ClientType: Optical Manufacturer
 ProjectNumber: Project #2
 Substrates: Stainless Steel
 PartType: Part
 Contaminants: Adhesive
 Cleaning Methods: Manual Wipe
 Analytical Methods: Visual

Purpose: To find an alternative to acetone for removing adhesive residue

Experimental Procedure: Four products were selected based on success from previous trial on the client supplied ink. These four solutions were used a full strength at 120 F. A paper wiper was soaked in each solution and dragged across the supplied stainless steel holders from one end to the other for 5 minutes. At the end of the cleaning cycle, the part was inspected visually to determine the approximate amount of adhesive residue removed. Cleaning was then ranked against the other products.

Results: Only one of the four products, Bio T Max, removed most of the adhesive residue from the stainless steel holders.

Summary:

Substrates:		Stainless Steel			
Contaminants:		Adhesive			
Company Name:	Product Name:	Conc.:	Efficiency:	Effective:	Observations:
Bio Chem Systems	Bio T Max	100	1.00	<input checked="" type="checkbox"/>	Rank. Removed ~80%
National Diagnostic	Opti Clear	100	3.00	<input type="checkbox"/>	Rank. Removed ~40-50%
Loctite Corporation	7360	100	2.00	<input type="checkbox"/>	Rank. Removed ~50-60%
Twin Rivers Technologies	Methyl Ester 1618	100	3.00	<input type="checkbox"/>	Rank. Removed ~40-50%

Conclusion: The two most successful cleaners, Bio T Max and 7360 will be used in an immersion test.