CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2002

DateRun: 06/25/2002

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	☑	Rank. Removed ~80%
National Diagnostic	Opti Clear	100	3.00	☐	Rank. Removed ~40-50%
Loctite Corporation	7360	100	2.00	☐	Rank. Removed ~50-60%
Twin Rivers Technologies	Methyl Ester 1618	100	3.00	☐	Rank. Removed ~40-50%

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