CLEANING LABORATORY EVALUATION SUMMARY

SCL #:	2000
DateRun:	03/28/2000
Experimenters:	Jason Marshall, John Brunelle
ClientType:	
ProjectNumber:	Project #1
Substrates:	Brass
PartType:	Part
Contaminants:	Buffing/Polishing Compounds
Cleaning Methods:	Ultrasonics
Analytical Methods:	Visual
Purpose:	To evaluate rotational energy in conjunction with ultrasonic energy.
Experimental Procedure:	One cleaner was selected based on the results of the previous trial. The chemistry was diluted to 5% in 600 ml beakers using DI water and then heated to 130 F on a hot plate. The solution was then poured into a 250 glass bottle with three small round parts. The bottle was capped and placed in an ultrasonic tank filled with water at 130 F. Cleaning consisted of rotating the bottle from end to end and side to side throughout the five minutes of cleaning. Parts were removed from the bottle and rinsed in tap water at 120 F for 30 seconds and dried using a Master Appliance Corp, Hot-air gun model HG-301A at 500 F for one minute. After coupons returned to room temperature, final clean appearances were observed. SUBSTRATE MATERIAL: Brass Parts CONTAMINANTS: Buffing compound CONTAMINATING PROCESS USED: Parts received contaminated
Results:	Using ultrasonic and rotational energy was proved to be very successful in removing the buffing compound inside the round parts.

Summary:

Substrates:	Brass				
Contaminants:	Buffing/Polishing Compounds				
Company Name:	**Product Name:**	**Conc.:**	**Efficiency:**	**Effective:**	**Observations:**
US Polychem Corporation	Polyspray Jet 790 P	5	0.00	☑	

Conclusion: U.S. Polychem Polyspray Jet 790 P removed nearly all the buffing compound from the brass parts using ultrasonic and rotational energy.