CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2004

DateRun: 05/12/2004

Experimenters: Jason Marshall

ClientType: Tool Manufacturer

ProjectNumber: Project #1

Substrates: Steel

PartType: Part

Contaminants: Paints, Oil

Cleaning Methods: Vapor Degreasing

Analytical Methods: Visual

Purpose: To evaluate products on supplied parts

Experimental Procedure: Three products were selected based on results from previous trials. All products were used heated to 160 F on a hot plate in 250 ml beakers. One product, Solvon PB, cleaned one part with the metal working fluids (Quench Oil, RI 780) for 15 minutes in the vapor degreaser. The other two products cleaned two parts, one with Quench oil and the other with the varnish mix. Each part was cleaned in each solution for 15 minutes in the bench top vapor degreaser.

Results:

Part	Observation
1	Some of the oils may have not been cleaned due to the parts were wrapped with a wire (for suspending in vapors
2 Ruler	Varnish was removed within seconds of coming into contact with the vapors.
3 Punch	Some of the oils may have not been cleaned due to the parts were wrapped with a wire (for suspending in vapors)
4 Ruler	Varnish was removed within seconds of coming into contact with the vapors
5 Punch	Some of the oils may have not been cleaned due to the parts were wrapped with a wire (for suspending in vapors

Summary:

Substrates:	Steel				
Contaminants:	Paints, Oil				
Company Name:	**Product Name:**	**Conc.:**	**Efficiency:**	**Effective:**	**Observations:**
Poly Systems USA Inc	Solvon Kreussler PB	100	0.00	☑	
Enviro Tech International Inc	Ensolv A	100	0.00	☑	
Kyzen Corporation	Metalnox M6960	100	0.00	☑	

Conclusion: The three cleaners appeared to be very effective in removing the various contaminants from the supplied parts.