

CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2008
 DateRun: 04/17/2008
 Experimenters: Jason Marshall, Shweta Bansal
 ClientType: Machining Company
 ProjectNumber: Project #1
 Substrates: Aluminum
 PartType: Coupon
 Contaminants: Inks
 Cleaning Methods: Manual Wipe
 Analytical Methods: Visual

Purpose: To evaluate new product with low voc and no HAPs on all six inks.

Experimental Procedure: One coupon was coated with each of the six supplied inks. These included Dykem Stop Off, Markal Valve Action Paint marker, Nu-Mark marker, Sharpie permanent marker, Sakura Coatings Product Company Solid Marker and the Avery Marks-A-Lot permanent marker (black). Once dry, coupons were cleaned using a handheld swab that was immersed into the cleaning product. Cleaning lasted for up to 1 minute. Following the cleaning, the coupons was wiped dry for 5 seconds. Observations were made and recorded.

Contaminant	Observation
Dykem	Required under 30 seconds to clean
Markal	Worked well
Nu-Mark	Worked well
Sharpie	Worked well - slight blue residue left
Sakura	Worked well under 1 minute
Avery	Worked well

Summary:	Substrates:	Aluminum				
	Contaminants:	Inks				
	Company Name:	Product Name:	Conc.:	Efficiency:	Effective:	Observations:
	Vertec BioSolvents	VertecBio Gold 3	100		<input checked="" type="checkbox"/>	

Conclusion: The Vertec Bio Gold #3 worked on all six inks.