

# PAINT PERFORMANCE CONSULTING

# Technical Services

Introducing **Paint Performance Consulting**. We offer our automotive, industrial, electronics, and specialty **Surface Finishing** clients all of the important **Technical Services** they need to identify and solve **paint defect** problems in their paint shop.

## PAINT SYSTEMS ANALYSIS:

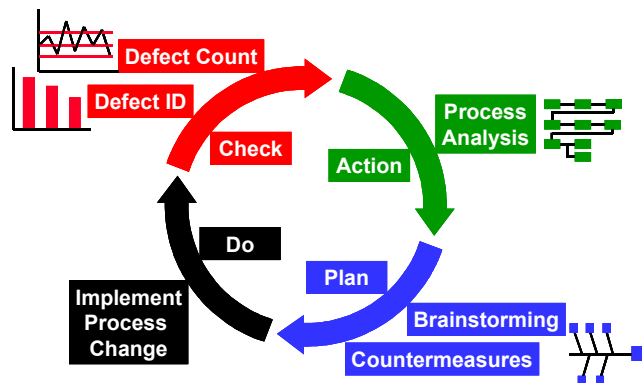
- Analysis of customer's "dirt" defect problems - on their parts - in their plant.
- Analysis of the paint process looking for the root causes (sources).
- Recommendations and solutions for the problems identified.

## PAINT DEFECT ANALYSIS WORKSHOPS:

- Training for Paint Defect Analysts.
- Training for Dirt Teams.
- "Dirt" awareness for paint managers and staff.
- On-site training of Paint Defect Analysts and Dirt Teams.

## AIR FILTRATION SURVEYS:

- Spraybooth intake to exhaust and abatement.
- Laser Particle Counting and Membrane Sampling.
- Compressed air testing.



Plan-Do-Check-Action Continuous Improvement Flow Chart

## SPRAYBOOTH AIR FLOW ANALYSIS:

- Theatrical fogger acts as a "mega smoke stick".
- Video taping the air flow patterns.
- Report in a PowerPoint® presentation on a CD-ROM.

## DEVELOPMENT OF CUSTOMER'S INTERNAL DIRT REFERENCE LIBRARY:

- Reference and Defect sample collection and documentation.
- Building the Dirt Reference Library.
- Development of Solutions for each defect type.

## LABORATORY ANALYSIS OF PAINT DEFECTS ON PANELS OR PARTS:

- Optical Microscopy.
- Scanning Electron Microscopy (SEM).
- Energy Dispersive X-ray Analysis. (EDX on SEM).
- X-ray Photoelectron Spectroscopy (XPS or ESCA).
- Time of Flight Secondary Ion Mass Spectrometry (TOF-SIMS).
- Scanning Auger Microscopy (SAM).
- Fourier Transform Infrared Spectroscopy (FTIR) and Microscopy.
- Micro Raman Spectroscopy.
- Atomic Force Microscopy (AFM).
- Surface Profilometry.
- Metallurgical sample preparation and cross sectioning.

## Contact us

**PAINT PERFORMANCE CONSULTING**  
35585 Pound Road  
P.O. Box 103  
Richmond, MI 48062

**Kevin A. Lockwood**  
*Director, Technical Services*

Phone: 586-727-0066  
Fax: 586-727-2724

web: [www.paintperformanceconsulting.com](http://www.paintperformanceconsulting.com)  
e-mail: [techservices@paintperformanceconsulting.com](mailto:techservices@paintperformanceconsulting.com)