# Wait, Is That Clean?

Surface preparation is absolutely imperative for manufacturers who bond, seal, coat, paint, clean, or print. If the surface isn't prepared correctly, these applications risk failure, causing rework, recalls, or returns.



 $\times$  Dyne chemicals can be teratogenic

Process is messy and isn't easily performed in a production environment

destructive to part



The Surface Analyst is a fast, easy, accurate, and non-destructive surface preparation gauge.

Unlike subjective legacy methods, the Surface Analyst provides a quantitative measurement and allows manufacturers to clean to a number and reduce product failure and waste.

#### Process

In 2 seconds, the Surface Analyst uses patented technology to place a drop of HPLC water onto a surface to determine how prepared that surface is for bonding, sealing, coating, printing, painting, or cleaning.

The 5 primary uses of the Surface Analyst:

- Develop appropriate surface preparation processes to guarantee performance
  - > Verify condition of incoming surfaces from suppliers
  - Confirm and document proper surface treatment in the lab and on the manufacturing floor
    - Determine effect of aging on prepared surfaces
    - Troubleshoot surface preparation processes

#### **Strengths**

Can be used in any environment including the lab and the manufacturing floor

Can be used on most materials

Takes measurements on multi-directional angles and on curved and rough surfaces

Non-destructive to the user

Non-destructive to the part being tested

Provides a quantitative measurement

Fast--takes 1 measurement in 2 seconds



## The Surface Analyst<sup>™</sup>

## **Cleaning to a Number**

By having a number to clean to, manufacturers are able to:

Create a company-wide specification which can be used throughout many different manufacturing sites



Create a common language among many different manufacturing sites

Accurately predict good surface preparation and successful adhesion

- Guarantee proper bonding and printing on surfaces



Your factory floor handheld solution for reducing returns, rework, and recalls. In two seconds, measure any surface and determine if it is properly prepared. No more unacceptable failure rates, or lost productivity and materials.

Find out more at:

**Weaknesses** 

inspection

The Surface Analyst offers a spot check as opposed to an in-line

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- Verify uniformity of antimicrobial and lubricious coating on catheters with an audit trail

- Verify most surfaces including metals, polymers, composites, glass, non-woven textiles, and ceramics.

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