



The Surface Analyst™



The Surface Analyst is a fast, easy, accurate, and non-destructive instrument that quantifies your level of surface preparation from the lab to the manufacturing floor.

In 2 seconds, the Surface Analyst determines the surface cleanliness level by providing the contact angle measurement and a pass/fail result.



Fast.

Contact angle measurement and pass/fail reading produced in 2 seconds

Easy.

Android base allows for easy handheld inspections in any direction, on any surface

Accurate.

Quantitative measurements are exact and non-subjective

Non-destructive.

The contact angle is measured using HPLC highly purified water, eliminating the risk of material damage

BTG Labs

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Applications:

- Bonding
- Sealing
- Painting
- Coating
- Printing
- Cleaning

Industries Served:

- Aerospace
- Electronics
- Automotive
- Medical Devices
- Consumer Goods

Inspections On:

- Composites
- Metals
- Polymers
- Glass
- Biological Surfaces
- Certain Textiles
- Ceramics



Tether

Allows measurements on hard-to-reach surfaces: horizontal, vertical, inverted, blind, contoured, and textured

Data Transfer Ports and Bluetooth

Allows users to connect wirelessly or directly to PC for transferring, data, images, and instrument updates

Powered by Android

Intuitive, easy-to-use interface for beginning and advanced users

Live Video Scope Image displayed on screen

LCD touchscreen displays results in 2 seconds

Customization for substrate and user log-in profiles

Logs and displays all inspection images and data history for review on instrument

Inspection Foot
Assorted feet options to accommodate customer specific applications

Inspection Head

Includes built-in **Video Scope** for exact drop placement

Micro Fluidic Valve for patented Ballistic Deposition of water droplet

Advanced Vision System
Lighting and optics accurately calculate contact angle



Fluid Cartridge

Uses non-destructive, highly purified HPLC water



Battery

Rechargeable, replaceable lithium ion battery for continuous operation



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Instrument Dimensions	10.8×5.2×22.9 cm (4.2×2.1×9 in)
Instrument Weight	.5kg (1lb)
Operational Temperature Range	55°- 90° F (13°- 55° C)
Fluid Measurements	1000 per cartridge
Minimum Inspection Clearance	1.2 in
Battery	2 hour charge cycle
Operation per Charge	5 hours of continuous operation
Inspection Time	2 Seconds