

# VANTA™

Handheld X-Ray Fluorescence Analyzer



Material Verification for QA/QC  
Fast. Easy. Connected.

**OLYMPUS®**



# Know Your Materials

Quickly Verify Incoming/Outgoing Metals and Alloys



## Easy to Use

Smartphone-like operation: swipe, flick, and tap. Customize home screen buttons for frequently used operations.



## Durable

All Vanta™ models are built to pass a 4-foot drop test (MIL-STD-810G) to withstand typical forces in manufacturing environments.



## Comprehensive Metals Database

Vanta analyzers' customizable onboard material database gives you instant grade matching and material chemistry for hundreds of alloys.



## Data Management & Reporting

Instantly export analysis results through optional wireless connectivity, the Olympus Scientific Cloud, or a USB flash drive.

Customize data labels and exports with Vanta PC software.

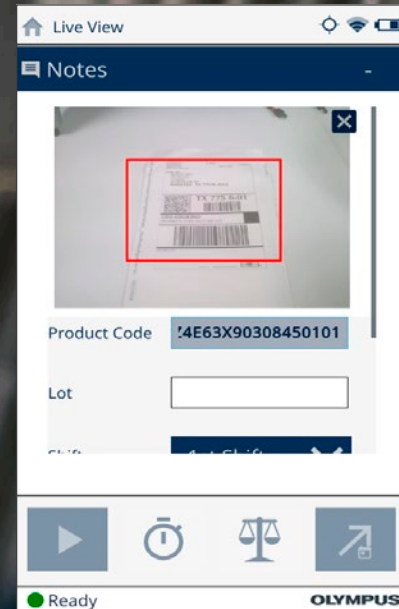


## Barcode Scanner

Correlate Vanta data and sample tracking with built-in barcode scanning using the optional panoramic camera.

El	%	+/-	316
Cr	17.367	0.042	16.00 - 18.00
Ni	11.004	0.046	10.00 - 14.00
Mo	2.195	0.007	2.00 - 2.90
Fe	68.123	0.059	61.28 - 72.00
Mn	1.123	0.025	0.00 - 2.00
V	0.067	0.006	Resid. 0.2

Comprehensive material database



Quickly scan incoming materials

Maximize your confidence in the power generation and petrochemical supply chain by verifying alloys in your piping and process system deliveries.



"Trust but verify" incoming material for precision manufacturing with fast, precise alloy chemistry and grade matching against supplier MTRs.



Integrate Vanta handheld XRF into your medical device component quality control program to confirm that the final product meets critical customer specifications prior to shipping.



Verify mission critical aerospace components or turbine blade chemistry to speed up production, repair, and rebuild times.



Olympus stands behind every rugged, reliable Vanta analyzer with a standard 3-year warranty.



# Vanta™ XRF Integration for Inline Process Control

Operational efficiency and cost reduction are imperative as Industry 4.0 moves manufacturing toward smart, connected machines and systems. Vanta XRF analyzers can be mounted inline with robotics or other machinery for process monitoring and control and automated and semiautomated alloy verification.

- Robust instrument designed to withstand challenging industrial conditions.
- Removable handle enables easy inline mounting into current process systems.
- Remote operation using the included Vanta PC software.
- Automatically upload results to a network folder or the Olympus Scientific Cloud wirelessly.
- Vanta API (Applications Programming Interface) available for programmers/developers.

## The Vanta Series

Olympus manufactures Vanta analyzers to suit a variety of applications depending on your needs. Each Vanta analyzer is engineered for durability and analytical superiority and comes with an industry-leading 3-year warranty.

### M Series

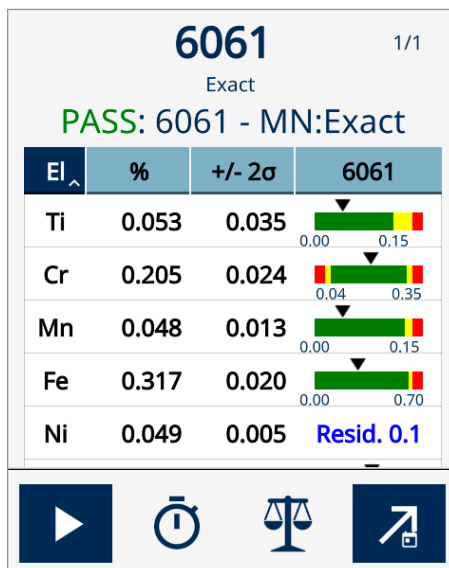
Vanta M Series analyzers are ideal for metal production applications or when verifying chemistry against a mill test report (MTR) is critical. Our highest precision model, M Series analyzers offer exceptional performance on elements magnesium (Mg) and heavier.

### C Series

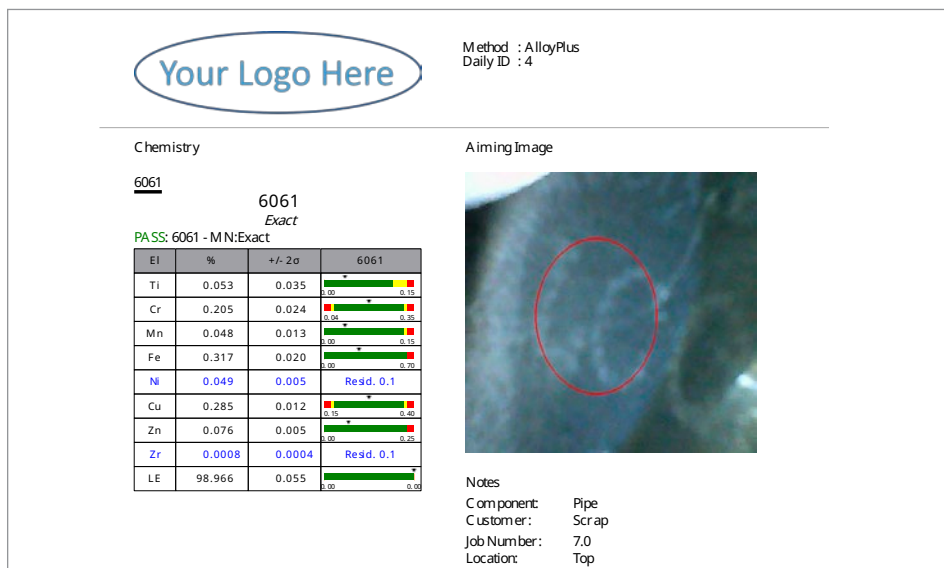
Vanta C Series analyzers aid in quick alloy grade and chemistry verification of incoming warehouse material, production checks, and outgoing finished product inspections. C Series analyzers combine value with superior speed and precision for elements Mg and heavier.

### L Series

Get the ruggedness, ease of use, and data management features of our advanced Vanta analyzers in a cost-effective Si-PIN detector model. L Series analyzers offer quick alloy grade and chemistry verification of metals and alloys where elements lighter than titanium (Ti) are not critical to sort and verify (most stainless and nickel grades, many aluminum and titanium grades).



Fast, on-screen alloy ID with easy Pass/Fail feature for rapid verification



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