

OLYMPUS[®]

Handheld X-ray Fluorescence

**VANTA for
Metal Fabrication**

Vanta[™] Handheld XRF Analyzer

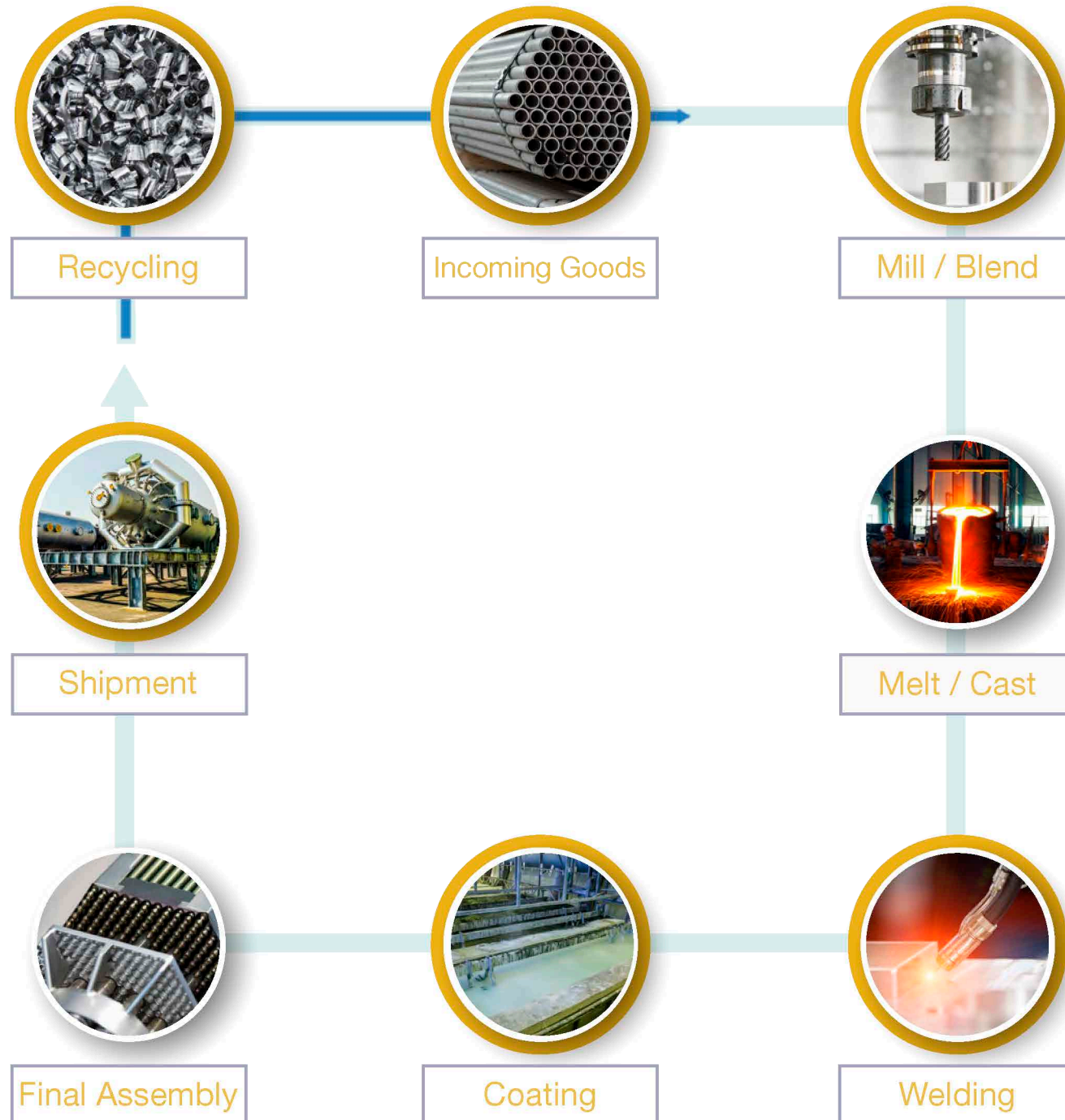
Rugged. Revolutionary. Productive.



Fast Results for Greater Confidence

Metal manufacturers must ensure that material meets manufacturing standards. Olympus Vanta™ series handheld XRF analyzers enable material QA/QC for metal fabricators in the toughest processing environments.

Handheld XRF helps prevent material mix-ups and traceability issues through nondestructive alloy identification. Vanta analyzers use highly specific material chemistry specifications to identify metals and alloy grades. The analyzers' fast analysis and low LODs for light elements, such as aluminum, phosphorous, and sulfur, quickly confirm the correct alloy chemistry.



*Vanta analyzer is used in 6 of the 8 process steps.

Traceability and Rapid Reporting

Vanta™ analyzers make it easy to customize, capture, and export comprehensive data for efficient record keeping and traceability with cameras, onboard report creation, integrated GPS, an automatic time/date stamp, and wireless connectivity.

Get precise material chemistry for:

- Aluminum alloys
- Brasses and bronzes
- Cobalt alloys
- Low-alloy steels
- Nickel alloys
- Stainless steels
- Titanium alloys
- Zirconium alloys

Reliable Results

Rugged

Vanta analyzers are durable for maximum uptime and a lower cost of ownership. The analyzers are IP55* rated to withstand rain, dirt, and dust and are built to pass a drop test (MIL-STD-810G). The detector shutter on silicon drift detector models helps prevent punctures so that you can analyze rough surfaces with confidence.

Revolutionary

Vanta analyzers incorporate Olympus' Axon Technology™, a breakthrough in XRF signal processing that delivers accurate and repeatable test data and enables inspectors to get alloy chemistry and grade ID in as little as 1–2 seconds.

Productive

Innovative software features enable users to get immediate results. An intuitive UI helps operators begin using the device with minimal training, while the customizable home screen makes inspections fast and efficient. Data is easily exportable with optional wireless connectivity to the Olympus Scientific Cloud.



The Vanta™ Series

No matter the model, the rugged, fast, and reliable Vanta™ analyzer features Olympus Axon Technology™ and is rated to pass a 4-foot drop test. C and L Series models are IP55 rated, and the Vanta Element and M Series models are IP54 rated.



M Series

Our most powerful Vanta analyzers feature exceptional performance to handle the most demanding applications. Each M Series analyzer comes equipped with a large-area silicon drift detector, either a tungsten (W) or rhodium (Rh) anode, and a 50 kV X-ray tube.

C Series

The C Series combine value with superior speed, limits of detection (LODs), and elemental range. Each C Series analyzer is equipped with a silicon drift detector and a rhodium (Rh) or tungsten (W) anode 40 kV X-ray tube, or a silver (Ag) anode 50 kV X-ray tube.

L Series

Get the ruggedness, ease of use, and data management features of Vanta analyzers in a cost-effective PIN instrument. The L Series is designed for maximum uptime and a lower cost of ownership for reliability in the field.

Vanta Element

Featuring advanced Axon Technology™ processing, the rugged Vanta Element handheld analyzer is an affordable alloy ID solution, providing material and grade identification and alloy comparison in seconds. Leverage its connectivity options to streamline your quality control process.

Olympus

Olympus is a leader in XRF technology with a reputation for quality and accuracy. We are committed to providing the best technical support and after-sales service for our products, applications, training, and technologies through our global network of sales and service teams.



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is certified to ISO 9001, ISO 14001, and OHSAS 18001.

*M Series and Vanta Element analyzers are IP54 rated.
All specifications are subject to change without notice.
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