



Vanta Element™ XRF Analyzer Series

Affordable with Uncompromising Performance

Get alloy chemistry and grade ID in seconds with affordable XRF testing. The Vanta Element analyzer series provides elemental analysis for fast alloy identification and sorting in two cost-effective models:

- › Vanta Element analyzer for fast, basic alloy ID
- › Vanta Element-S analyzer adds light element detection of magnesium (Mg), aluminum (Al), silicon (Si), sulfur (S), and phosphorus (P)

Both models feature fast grade ID and clear on-screen grade comparison to speed up metal testing for scrap sorting, metal manufacturing, and precious metals analysis. Easy to use and easy to learn, the smartphone-like interface streamlines user training and the alloy identification process.

Confidently Verify and Sort Metals and Alloys

The Vanta Element series includes an alloy database with the most commonly used alloys in scrap recycling and manufacturing. Easily customize the database for proprietary or additional grades.

- › Low-alloy steels: Fe | Mn | Cu
- › Copper alloys: Cu | Zn | Sn
- › Aluminum alloys: Mg | Al | Si
- › Stainless steel: Fe | Cr | Ni | Mo
- › Nickel alloys: Ni | Co | Fe
- › Precious metals: Au | Ag | Pt | Pd



Modern and Connected

The Vanta Element™ series includes the latest connectivity features and proprietary technology to streamline your analysis process.

Uncompromising Performance

- › Fast and accurate Vanta™ electronics
- › Axon Technology stability and count rate
- › Silicon drift detector for a short testing time and improved element identification

Convenient Data Management

- › Direct export to a USB drive
- › 1 GB microSD card for storing results
- › Wireless data transfer to a network folder (optional)
- › Review and share results on a PC, tablet, or smartphone
- › Use new features instantly with automatic software updates
- › Seamless data management in the Evident Connect cloud

Rugged and Affordable

Built for harsh and demanding environments, the Vanta Element series delivers a lower cost of ownership:

- › IP54 rated for protection against dust and moisture
- › Drop tested (MIL-STD-810G) to protect against falls and reduce the need for costly repairs
- › Rated for continuous testing from -10 °C to 45 °C (14 °F to 113 °F)
- › Stainless steel faceplate for wear protection
- › Easy, toolless window replacement
- › Peace of mind with a standard three-year warranty

	Vanta Element Model	Vanta Element-S Model
Use	Affordable alloy ID	Affordable light element detection
Best for	Basic analysis	Analyzing Mg, Al, Si, S, and P
Detector	Silicon drift detector	Faster silicon drift detector
Window	Thick Kapton window	Prolene window with Kapton mesh support
Excitation Source	2-watt X-ray tube with 35 kV tungsten anode	4-watt X-ray tube with 50 kV silver anode
Element Addition Available	Yes	Yes

Global Support

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 customer service teams.

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