



HANDHELD SPECTROMETER VANTA ED-XRF V2CR

We offer professional services using the VANTA V2CR handheld XRF spectrometer, a top-tier portable analyzer for rapid material identification and determination of the chemical composition of metals and alloys.



Measurements are performed **without damaging the sample, without the need for material sampling, and without delaying production or operations.** Thanks to its high precision, speed, and rugged design,

the VANTA V2CR is an ideal tool for inspection and field service activities **in industry, power generation, petrochemistry, and other sectors.**

WHAT THE SERVICE BRINGS YOU



INSTANT RESULTS

- analysis within a few seconds



NON-DESTRUCTIVE METHOD

- without interfering with the material



ON-SITE MEASUREMENT

- production, warehouse, construction site, operation



HIGH PRECISION AND REPEATABILITY

- laboratory-level results



RELIABLE IN HARSH CONDITIONS

(dust, moisture, temperatures)

TYPICAL FIELDS OF APPLICATION



- Positive Material Identification (verification of the quality of steels and alloys)
- Inspection for material mix-ups in production / during assembly
- QC / QA – incoming, in-process, and outgoing quality control
- Scrap metal sorting and material identification
- Weld and weld zone analysis
- Refineries and petrochemistry – analysis of piping and fittings
- Power generation and nuclear industry – material verification and traceability
- Foundries – scrap screening, casting inspection
- Aerospace industry – Ni, Ti, Al alloys, superalloys



TECHNICAL ADVANTAGES OF THE VANTA V2CR

- High-resolution ED-XRF technology
- Graphene SDD detector with Axon technology
 - low noise, high sensitivity
- Ability to detect low elemental concentrations (e.g., Ni in low-alloy steels)
- Automatic internal calibration with every measurement
- Rugged design compliant with MIL-STD-810G (drop, water, and dust resistant)
- Operating temperatures from -10 °C to +50 °C

MEASUREMENT OUTPUTS

- Material identification (grade, alloy type)
- Mass fractions of individual elements
- Instant on-site interpretation of results
- Export and data archiving capabilities
- Targeting camera – photo documentation of the exact measurement spot



WHY USE OUR SERVICES



No need to invest
in your own device



Fast availability of
measurements as needed



Experience from industrial
practice, including the
nuclear energy sector



Flexible deployment
in operations and the field

Non-binding consultation and price quote:

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