

Instant Metals Analysis

Process Control & Plant Maintenance



Total XRF Solutions

Real-Time, "Anywhere Analysis"

Meet regulatory compliance requirements for your product, while maintaining a safe, well run facility—all with Innov-X Systems' complete line of solutions for on-site testing and analysis in petrochemical plants and power generation facilities.

Based on proven X-ray Fluorescence (XRF) technology, each Innov-X system provides fast, accurate data to assist with:

- ▶ Fluids process control to improve quality and meet regulatory compliance
- ▶ Analyze catalysts and process fluids for metal poisons content
- ▶ Alloy testing and verification for on components for overall plant maintenance

You pick the time and place—we'll provide a real-time analysis solution.

- Focus**
- Process Fluids Analysis
 - Alloy Verification
 - Catalysts & Poisons
 - Handheld XRF
 - Mobile XRF
 - On-line XRF



Omega
Handheld XRF Analyzer

Omega Hand-held XRF

Ideal for Positive Material Identification (PMI) for incoming, in-stock and in-service valves, pipes and other components

- ▶ Fast alloy chemistry & grade match in seconds
- ▶ Weatherproof—sealed to moisture & dust
- ▶ Flow Accelerated Corrosion testing—best handheld for low Cr measurements
- ▶ Ideal for high temp testing—up to 900 F

New—Mg, Al, Si, P Analysis

- ▶ Patent-pending Vacuum-LZ upgrade
- ▶ No pumps or backpacks to carry
- ▶ No compressed gas to buy

Foremost Supplier to Marine Transportation Industry

The marine shipping industry depends on the SEA-Mate[®] oil analyzer—manufactured by Innov-X and joint venture partner A.P. Moller-Maersk—for on-board measurements of oil, fuel and additive quality. On-the-spot decisions as to lube and fuel quality, at sea, for ocean going container vessel fleets is yet another example of the confidence placed in our XRF analyzers. Operators perform analysis of wear metals, additives, sulfur content and catfines (Al, Si) while at sea and while bunkering worldwide.



PRODUCT DATA

Total XRF Solutions

Real-Time, "Anywhere Analysis"

FOX-IQ

Process Fluids Analyzer

Improve product quality and optimize production yields with FOX-IQ's totally automated 24/7 monitoring.

- ▶ Non-destructive testing—fluids can be returned to process after analysis
- ▶ Reliably monitor up to 25 elements simultaneously from P-U, from ppm to high % levels
- ▶ Robust industry hardened design requires minimal maintenance
- ▶ Remote diagnostics
- ▶ Low power requirements
- ▶ Compact design allows installation in virtually all existing & new plants



FOX-IQ
Process Fluids Analyzer

Real-Time, Automated Fluids Process Control

- ▶ Variety of refining operations (S, V, Ni, Fe, Cl, Pb in fuels)
- ▶ Blending operations (Ca, Zn, P, S, Cl, Ba)
- ▶ Plating bath composition monitoring (Co, Ni, Zn, Cr, P, & more)
- ▶ Fluid catalyst monitoring & recovery (Co, Mn, Br, Fe, Pt, Rh, Pd, & more)
- ▶ Water treatment monitoring
- ▶ Chemical (Br, Sn, Sb, P, Cl & other fire retardants)

X-50

High Powered Mobile XRF

Don't wait for lab results, get "anywhere analysis" with Innov-X mobile and custom XRF solutions.

- ▶ Laboratory benchtop analytical power in a portable, field-hardened package
- ▶ Analyze wear metals, additive elements (V, Zn, Ca, Ba, others)
- ▶ Fuel, additive analysis for quality and contaminants
- ▶ Unique fluid sampling chamber prevents spillage
- ▶ User friendly—ideal for non-technical operators
- ▶ Powerful software includes full-featured analytical and user calibration package
- ▶ Operate on battery or AC power

X-50
Mobile XRF Analyzer



LAMBDA
Custom XRF Analyzer

LAMBDA

PPM-Level, In-Field Elemental Analysis

- ▶ Ultra high performance for low atomic number elements in fuels, oils, additives, other liquids
- ▶ Measure Ca, S, Mg, Al, P, Si, Cl to ppm levels in hydrocarbon and aqueous solutions
- ▶ Ultra-low limits of detection for Al, Si (catfines)
- ▶ Elemental analysis of additives & polymers—Mg, Ca, Ba, Si, V, Mo, Zn, & more
- ▶ Test catalysts & process streams for poisons—Ni, V, As, & more
- ▶ General fluids analysis for ppm level transition metals

PRODUCT DATA

www.innovx.com

