



# DISTRIBUTOR AND REPRESENTATIVE OF SCIENTIFIC EQUIPMENTS & INSTRUMENTATIONS

*Idea Solutions for Elemental & Imaging Analysis*

## Material Optical Microscope



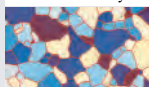
Multiphase Analysis



Graphite Analysis



Grain Size Analysis



Fluorescence



Observation, Measurement and Analysis:

- Metallurgy (grain size, multiphase, graphite).
- Failure Analysis (in fiber/textiles, ceramic/polymer).
- Polarization and Fluorescence (in fiber, polymer, cement, geology).
- Stereo, Upright, & Inverted Compound Microscope.



STEMI



AXIOVERT



PRIMOTECH

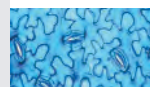


AXIOSCOPE 5

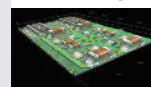
## Digital Microscope



Life Science



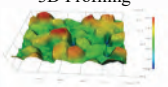
Wide-view 3D



Broken Composite



3D Profiling



- Handheld, 2 in 1 (Stereo & Compound) & Easy to Use.
- 2D and 3D Measurement (3D Profiling/Point Height/Volume, Area).
- Up to 10,000x digital magnification.
- Wide range of lens for many applications.
- Sample viewing from any angle!



RH-2000



HRX-01

## Bench-top EDXRF Spectrometer



NEX QC



NEX CG



- Compact, powerful, easy to use.
- Minimal or no sample preparation.
- Non-Destructive Analysis.
- Simultaneous Multi-Element Qualitative & Quantitative Analysis (results in seconds!!).

- Can be used on wide range of sample types including solids, liquids, powders, pastes, film.
- Polarized Excitation EDXRF.
- Elemental range Na to U in Periodic Table.
- Powerful Fundamental Parameters (FP) Method.



## Gas Analyzer



(Low Operation Cost, Fast Maintenance In Minutes)

- G4 PHOENIX: Determination of Diffusible Hydrogen according to ISO 3690 & AWS A4.3 of Weld Seams Sample & High Strength Steel Alloy.



G4 PHOENIX



G6 LEONARDO



G8 GALILEO

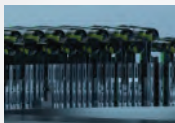


- G4 ICARUS SERIES 2: Carbon and Sulfur (CS) analyzer with high frequency furnace for application of Iron, Steel, Al, Cu, Ti & Zr Alloy, Ores, Minerals, Ceramics, Catalyst.



G4 ICARUS SERIES 2

## Bench-top & High-End Stationary Spark Spectrometer (OES)



- Ideal instruments for all types of metal
  - Iron & Steel Alloy (with traces).
  - Nitrogen in Steel.
  - Fe, Al, Cu, Ni, Co, Mg, Pb, Sn, Ti, Zn Alloys (with traces).
  - Oxygen in Pure Copper.
- Complete range from ppm to percentage levels.



Q2 ION

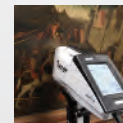


Q4 TASMAN



Q8 MAGELLAN

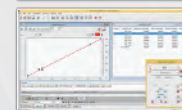
## Handheld XRF Spectrometer (Tracer 5)



- For Methods Development, Research & Complex Materials.
- Focused Application Available On:
  - Art Authentication & Conservation.
  - Archaeological (Elemental Analysis).
  - Advanced Scientific Research.
  - Calibration (Obsidian, Mud rock, Ancient Cu Alloy).



Tracer 5



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*Idea Solutions for Elemental & Imaging Analysis*

## Handheld XRF & CounterTop XRF Spectrometer (Bruker S1 Titan & CTX)



S1 Titan



CTX CounterTop



☛ SDD Detector.

☛ SMART GRADE.

☛ Only 1.5kg with battery.

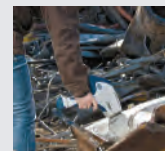
☛ Various type of materials, including light elements: **Mg, Al, Si, P, S.**

☛ Fast Alloy ID (1-3 sec for standard alloy).

☛ Ultimate defense of detector = **TITAN Detector Shield (Patented).**

☛ Applications: Alloys, RoHS, Precious Metal, Food, Cement, Mining.

☛ Marine Pollution Sulfur in Fuel Inspections.



Scan the QR Code for **FREE Alloy App!**

## Rigaku ED-XRF



NEX QC



NEX DE



NEX CG

☛ Petrochemical Application

☛ Sulfur in Oil (ASTM D4294, ASTM D7220, ISO 8745, ISO 20847, ISO 13031)

☛ Chlorine in Crude Oil (ASTM D4929)

☛ Lube Oil (ASTM D6481, ASTM D7751)

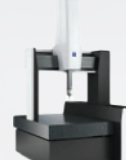
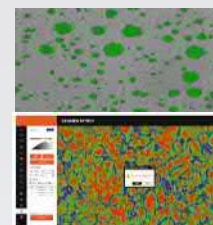
☛ Cement Application (ASTM C114)

☛ Silicone on Paper/Clay Coated Paper/Plastic



## Other Instruments

- ☛ On site metallography
- ☛ Portable microscope
- ☛ Benchtop/ Standard Scanning Electron Microscope (SEM)
- ☛ Image Analyzer for Microscope
- ☛ Petrography
- ☛ CMM Machine
- ☛ Sample Preparation (OES, XRF, Microscope)



## Other Products: Consumables, Standard, Calibration & Application Training Services

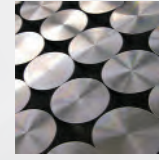


### Metal Impregnation / Capillary-Active Sealing of micro-porous materials



*Impregnation and sealing of cast parts:  
goal-oriented, economical, durable*

*Certified Reference Material, Reference Material,  
SUS, Spectrometer Check Sample, etc.*



### Calibration, Preventive Maintenance & Training Services



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