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SERVICE FACILITIES : Technical Service Center staffed and factory
Trained Service engineers and equipped with
special tools and Spare parts.

PRODUCTS LINE



BRUKER Elemental GmbH

Kastellstr. 31 -35

47546 Kalkar, Germany

<http://www.bruker-axs.de>

Optical Emission Spectrometry

Optical emission spectrometers (OES) and the measuring principal of the atomic emission is the ideal method and provide the perfect instrumentation for metal analysis in all different industrial businesses and environments.

Ultra-Compact Metal Analyzer



Q2 ION is one of the smallest and lightest ultra-compact spark emission spectrometer for metal analysis available.

The new generation of spark spectrometer Q2 ION elevates metal analysis into new levels of simplicity and ease-of-use. Today Q2 ION is one of the smallest and lightest ultra-compact spark emission spectrometer for metal analysis available. It is a versatile multi-matrix system for comprehensive incoming material inspection and quality assurance of metal alloys. Its primary applications and metal matrices include copper, aluminum and iron at smaller foundries, inspection companies, metal recycling and metal fabricators. An affordable price and low operational costs make this spectrometer the ideal tool for smaller and medium-size businesses. Besides the classical „analysis workflow“, the new Q2 ION now also offers a dedicated

workflow for positive material identification (PMI), especially useful for incoming material testing and quality control of metal alloys.

Q2 ION - Metals Analysis made easy

Its design makes Q2 ION very compact and ultra light. It can easily be brought to a nearby site for analysis. Despite its low weight, it is suitable for applications in which ruggedness is required.

Q2 ION also defines new standards in ease-of-use. Place your sample onto the spark stand and press the start button or simply touch the screen. In less than thirty seconds you get the complete elemental composition of your metal.



Q2 ION - Ultra Compact Metal Analyzer



Q2 ION - Floor standing version

The floor-standing version of Q2 ION brings analytical services closer to the process. The housing offers ample space for accessories and even a printer.

Q4 TASMAN
Advanced CCD Based Optical Emission Spectrometer for Metal Analysis



Q4 TASMAN is an advanced CCD based optical emission spectrometer for the metal analysis. It provides the answers you need fast, using the very latest, state-of-the-art technologies. Our engineers have designed innovative solutions which make the Q4 TASMAN OES system fully suitable not only for your dedicated applications, but also for many general purpose applications. The result is a completely new CCD based instrument, which lets you achieve your goals faster, more reliably, and more cost-effectively than ever before with this class of instrument. Q4 TASMAN offers dedicated solutions for your analytical tasks. Analytical Solution Packages (ASP) are available per matrix and include elements, calibration, alloys and more. In no time at all, you receive reliable, complete analytical results of your metal. The newly developed readout scans CCD's 30 times faster than previously and lead to shorter measurement times. The faster time-to-result improves your efficiency and increases your profitability.

Q4 Mobile Spark Spectrometer



Q4 MOBILE for alloy identification in practice

Q4 MOBILE, The Q4 MOBILE, mobile optical emission spectrometer for all fields of applications in metal sorting, alloy identification, PMI, analysis. Q4 MOBILE is one of the most compact and lightest integrated spectrometers. Even battery may already be built-in (option) and the 24 kg unit can run independent from mains supply. The ultra-light probe, the light hybrid cable make this configuration very handy. For special tasks, various cable lengths are available. The mobile spark spectrometer addition to the Bruker product portfolio falls into the tradition of high-end performance. The patented optic, source generator, orthogonal plasma observation, combined

Q8 MAGELLAN is the perfect symbiosis of approved and new - tradition and innovation - **High-End Optical Emission Spectrometer for Metal Analysis**



SPECTROMETER Q8 MAGELLAN is a spark emission spectrometer setting new standards with respect to technology, reliability, flexibility, and handling. It is the first spectrometer worldwide that offers a previously unseen quality of analysis because of its unlimited combination possibilities of measurement parameters. It is the only vacuum spectrometer featuring photomultipliers, digital plasma generator, unlimited single-spark- and time resolution and a heavy duty, low-maintenance spark stand with co-axial argon flow. Extremely low maintenance and tailored software underline the exceptional quality of this uncompromised product for elemental analysis in the metal producing and processing industries. Offered in different versions it is consequently suitable for routine operation in both laboratory and production environments. Newly developed electronics, detectors, optical components and information technology ensure that Q8 MAGELLAN dramatically differs from the broad range of spectrometers on the market. The components were mated in such a way that unmatched performance can be guaranteed.

BRUKER Q8 COLORADO - Analysis Automation for Foundries and Steel Plants



Q8 CORONADO, a user-friendly analysis automation with unmatched reliability, small footprint, simple maintenance, and low operational costs. Q8 CORONADO is a fully automated metal analyzer. Just enter the sample, register on the touchscreen and the system starts. Sample preparation, transportation within the system, spectrometric analysis, archiving of samples, communication of results; all this is part of the complete process within Q8 CORONADO. Even self-control functions including the analysis of monitor samples in intervals and standardization if necessary, are covered by the system. This helps to reduce sample turnaround times and ensures consistent analytical quality. Q8 CORONADO is available in different configurations for ferrous and non-ferrous applications. High analytical performance is ensured by using flagship OE spectrometer Q8 MAGELLAN within the automation system.



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GBC Scientific Equipment designs, manufactures and markets a range of scientific instruments comprising Atomic Absorption Spectrometers (AAS), UV-Visible Spectrometers (UV-Vis), Inductively Coupled Plasma Optical Emission Spectrometers (ICP-OES), Inductively Coupled Plasma Time of Flight Mass Spectrometers (ICP-TOFMS), High Performance Liquid Chromatographs (HPLC) and Rheological Analysis Equipment.

GBC Atomic Absorption Spectrometer Series

XPLORE AAS Series with 6 Turret



GBC SensAA Series



GBC SavantAA / SavantAA Σ / SavantAA Zeeman Series



The range of AA spectrometers series, offering fully automated multi-element capabilities, the touch screen technology of the SensAA and the new SavantAA Ultra Z Zeeman-effect graphite furnace AAS.

All are controlled by GBC's fully featured Windows® XP or Vista based software, and include a complete range of accessories such as the new System 5000 graphite furnace system, HG3000 hydride system, and PAL autosamplers.

The GC AA Series is a fully automated, multi-element instrument with many of the features that have proven successful. It is a true double beam instrument with all reflective optics.