JIEBO INSTRUMENT

Supplier

of Testing Instruments



- https://www.jiebo-instrument.com -



JIEBO INSTRUMENT

Wuxi Jiebo Instrument Technology Co.,Ltd.

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Company Profile

Innovation is the life of enterprise

Wuxi Jiebo Instrument Technology Co.,Ltd. is a high-tech enterprise with independent intellectual property rights. We have a lot of patented technologies. The headquarters is located in Wuxi Jinshan North Photoelectric New Material Industrial Park.





Wuxi Jiebo Instrument Technology Co.,Ltd. is located in the city of Wuxi, Jiangsu Province, China. For many years, we engaged in the production, sales and customer service of chemical analysis instruments and related products. We not only have the advantages of scale of products and personalized service but also have the advantages in the process of technological innovation. The market share has been ranked counterparts and equipment exported to the Middle East, Africa, Southeast Asia, West Asia, Eastern Europe, South America and other countries.

Our products are mainly for the elements analysis in the metals and other materials. The main products are spark optical emission spectrometer, high-frequency infrared carbon sulfur analyzer and x-ray fluorescence analyzer. The products combine the advantages of similar foreign products and upgrade the design and innovation. Our products are in a leading position in the domestic industry and win the trust and praise from thousands of users.

Wuxi Jiebo Instrument Technology Co.,Ltd. is focus on technology and products innovation. Adhering to the “International Quality, Domestic Price, Personal Service” business philosophy in order to help customers improve the manufacturing level and product quality. Our target is to contribute to the promotion of the core competitiveness of Chinese manufacturing industry and make technical contributions to the human analysis industry. Win the recognition and trust of users is our eternal pursuit.





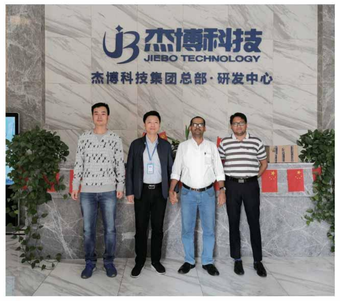


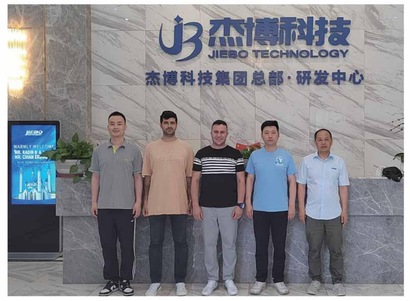


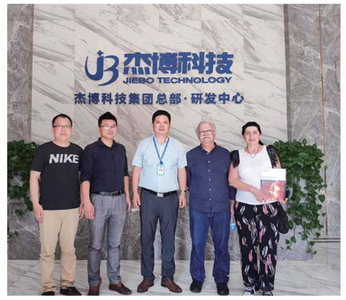




Company Image









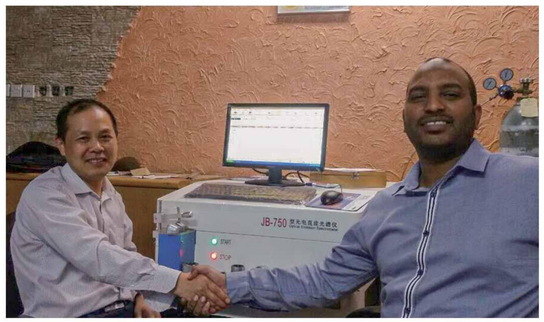


Customer Investigation

After-sales Service













Application »»»

- Power
- Machinery
- Non-ferrous
- Casting
- Automotive
- Inspect Goods
- Aerospace
- Shipbuilding
- Scientific Research

Product Introduction »»»

The Exquis T4 Spark Optical Emission Spectrometer utilizes a sealed-cycle optical chamber to detect over 50 elements in a wide range of metal bulk samples, providing the best price/performance ratio for an Optical Emission Spectrometer in its class, making it the ideal choice for metal fabrication and processing companies.

From the laboratory to the furnace site, the excellent and stable quality ensures that the instrument can work normally in any harsh environment.

Matrix »»»

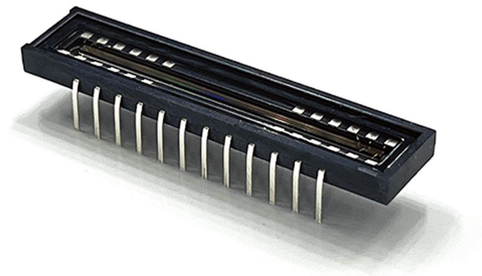
Fe, Al, Cu, Zn etc.

Technical Parameters »»»

Items	Parameters
Optical System	Paschen-Runge mounting
Grating Focal Length	401mm
Wavelength Range	160-580nm
Operating Power	AC220V/50Hz
Operating Temperature/Humidity	10-30℃ 20-80%RH
Dimension and Weight	L525*W635*H290mm 33kg

Product Features »»»

- Innovative design of low-flow sealed argon gas circulation system to improve the stability of the optical chamber and reduce argon consumption.
- Adopt low noise, strong anti-interference, highly integrated CMOS detector, high sensitivity in UV region, no need for coating, better results for non-metallic elements (N, C, S, P, etc.).
- Friendly human-computer interaction design, easy to learn software interface, supporting multi-language switching, remote maintenance function.
- Support full-spectrum analysis and detection, higher expandability; no need to add hardware to increase the analysis of substrates and elements, through the software can expand the analysis range, more flexible use.







Product Introduction

Innovate T5 Full spectrum Optical Emission Spectrometer adopts vacuum optical chamber design and all-digital excitation light source, and applies Japan Hamamatsu's most advanced CMOS signal acquisition components, and each CMOS can be individually set parameters. This CMOS spectrometer not only contains the full-spectrum characteristics of CCD, but also has the extremely low detection limit of PMT for non-metallic elements, which has the advantages of accurate data and good long-term stability.

Matrix

Fe, Al, Cu, Mg, Zn, Ni, Co, Ti, Sn, Pb etc.

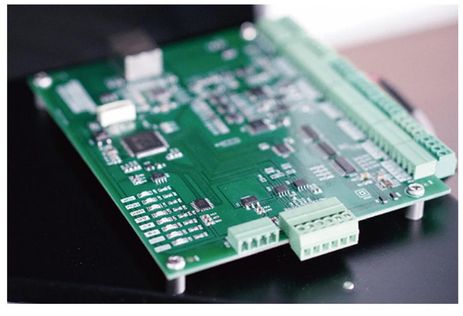
Technical Parameters

Items	Parameters
Optical System	Paschen-Runge mounting
Grating Focal Length	401mm
Wavelength Range	140-680nm
Operating Power	AC220V/50Hz
Operating Temperature/Humidity	10-30°C 20-80%RH
Dimension and Weight	L590*W790*H350mm 78kg

Product Features

- Precision valve block design, accurate and reliable airflow, enhance the stability of analysis.
- Pulse synthesis programmable digital light source, can optimize the parameters according to different materials and elements to ensure the accuracy of analysis.
- High-voltage safety protection design, one-key excitation, one-key stop, convenient and quick.
- Intelligent curve function can meet the demand for material analysis, truly realize the analysis of unknown samples, no need to get entangled in the choice of model, the operation is more simple.





Noble T7

Optical Emission Spectrometer



Application »»»

- Foundries
- Metallurgy
- Aerospace
- Scientific Research
- New Material Research
- Metal Material Quality Certification

Product Introduction »»»

The Noble T7 Full Spectrum Optical Emission Spectrometer provides rapid analysis of solid metal samples. It can accurately and reliably analyze both trace elements, to highly concentrated elements, with particularly high accuracy in detecting non-metallic elements in the deep UV region. With years of experience in the industry, Jiebo has designed this new, high performance full spectrum optical emission spectrometer for the smelting industry and laboratories that have a large number of metal analysis needs to meet the production needs of our customers in smelting, automotive, aerospace, consumer products, and many other industries.

Matrix »»»

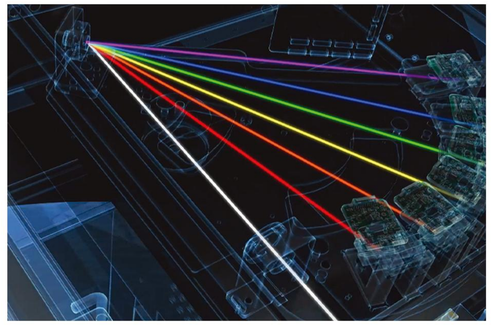
Fe, Al, Cu, Mg, Zn, Ni, Co, Ti, Sn, Pb etc.

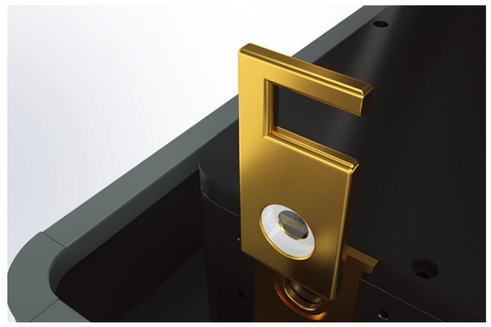
Technical Parameters »»»

Items	Parameters
Optical System	Paschen-Runge mounting
Grating Focal Length	401mm
Wavelength Range	120-800nm
Operating Power	AC220V/50Hz
Operating Temperature/Humidity	10-30℃ 20-80%RH
Dimension and Weight	L610*W740*H1140mm 160kg

Product Features »»»

- Scientific research grade CMOS detector ensures extremely high optical resolution and improves the analyzing accuracy to less than 10ppm.
- Constant temperature of the optical chamber (±0.1℃), automatic spectral drift calibration, to ensure long-term stability of the spectral position.
- Pre-set metal grades can be quickly identified. Free choice of analysis mode, configuration curve, optimization parameters.
- The combination of high-quality hardware and specific algorithms, better monitoring of the operating status of the instrument, to improve the analysis results and reduce the frequency of calibration.





Surpass F1

Mobile Optical Emission Spectrometer

Product Introduction

The Surpass F1 mobile OES is used for direct on-site reliability testing of all types of metal materials, bringing the instrument to the sample site, including analysis of impurity elements in scrap metal, incoming inspection, and large metal components that are not easily cut.

Product Features

- Light weight cart with high integration, built-in high-capacity lithium battery and argon cylinder bracket, which can realize quick on-site inspection.
- Industrial grade design, with anti-vibration, anti-interference and other advantages.
- Short warm-up time, ready to use, convenient and quick.
- Adopting jet electrode technology and optical chamber cyclic argon filling to optimize argon consumption.
- The head of the gun has been specially modified optical system, that is to adapt to the requirements of portable, but also to ensure the accuracy of the test of UV elements.
- The use of special sample fixture, can analyze almost all complex and irregularly shaped samples.
- The software is pre-set with a large-scale database of grades, which can quickly identify the sample grades.
- Long-life battery, can be in the wireless state continuous execution of 600 tests.





Technical Parameters

Items	Parameters
Optical System	Paschen-Runge mounting
Focal Length of Grating	UV: 350mm 2400 lines/mm Visible light: 401mm 2400lines/mm
Chromatic Dispersion	0.7nm/mm
Wavelength Range	160-425nm
UV Analysis	C, P, S, B, As, Sn, Se, N
Operating System	Win7/8/10/11
Argon Requirement	purity＞99.999%
Power Source	110/230V 50/60Hz
Dimension and Weight	L400*W280*H600mm 45kg(Batteries included)



CS2020

High-frequency Infrared Carbon & Sulfur Analyzer



Product Introduction

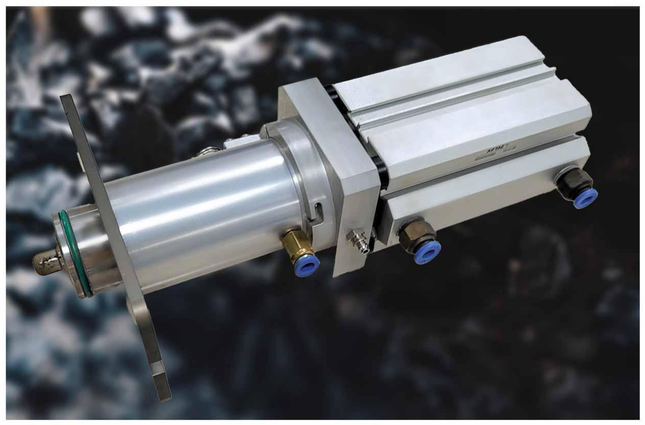
The CS2020 Carbon and Sulfur Analyzer will redefine the way that you analyze carbon and sulfur in steel, ores, finished metals and other inorganic materials. Through extensive customer feedback and innovative design, Jiebo's new generation of instruments can accurately analyze carbon and sulfur in any laboratory environment.

Application

- Steel
- Metallurgy
- Machinery
- New energy
- Aerospace
- New materials research

Technical Parameters

Items	Parameters
Detection Range (four physical detection cells)	Low Carbon: 0.00001% ~ 0.5% High Carbon: 0.1% ~ 99.99% Low Sulfur: 0.00001%~ 0.5% High Sulfur: 0.1% ~ 99.99%
Analytical Precision	C: 0.001mg(1ppm) or 0.5% RSD (one of the two) S: 0.001mg(1ppm) or 0.5% RSD (one of the two)
Sensitivity	C: 0.00001% S: 0.00001%
Analyzing Time	20-60 seconds adjustable
Power Source	AC220V/50Hz
Dimension and Weight	L600*W645*H830mm 110kg



Reliable Automation

- The fully automatic double-brush cleaning device/automatic vacuum de-dusting system, which does not require any tools for maintenance, makes the furnace head maintenance-free for more than 200 cycles.
- It monitors all parameters of the system environment and automatically detects and diagnoses the utilization status of each solenoid valve and HF.

Additional Features and Benefits

- Pressure compensated and temperature controlled gas standard system.
- Log file function to record all operations, results, maintenance and other information.

Improved Infrared Cell Technology

- The constant temperature adiabatic technology of the new generation infrared cell eliminates the interference of external ambient temperature.
- Long-life infrared emitting light source and drift-free circuit design ensure the long-term stability of the infrared detection cell.
- Carbon and sulfur high and low double range can be selected.

CS995 / CS996

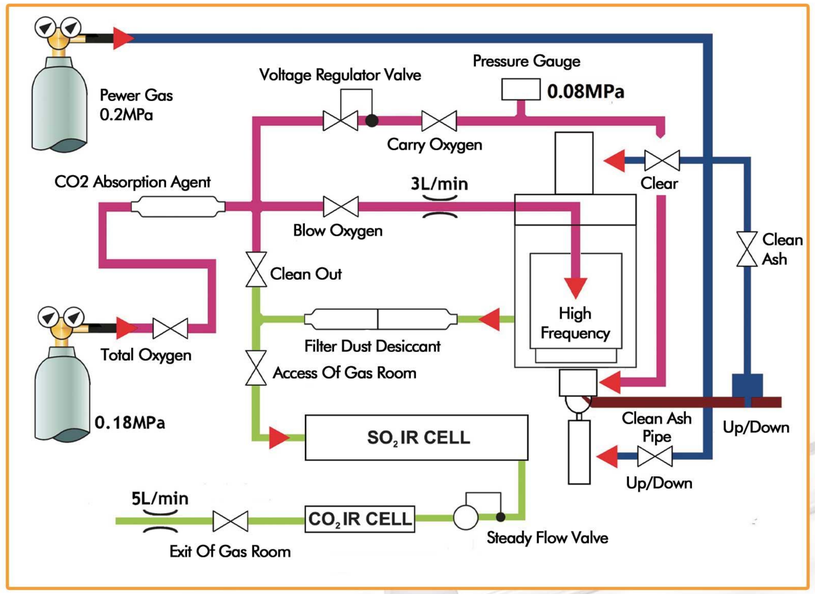
High-frequency Infrared Carbon & Sulfur Analyzer



General Description

CS995/ CS996 High Frequency Infrared Carbon and Sulfur Analyzer can simultaneously and rapidly analyze carbon and sulfur in solid materials such as ferrous metals, non-ferrous metals, alloy materials, ferroalloys, rock ores, ore soils, titanium dioxide, new energy materials and other non-metallic materials.

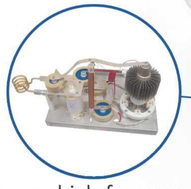
Typology	CS995	CS996
Appearances	Bench type detector with bench type high-frequency oven for space saving.	The operating table design, matching vertical high-frequency furnace is beautiful and generous.
Scope of Analysis	C:0.0005%-6.0000% S:0.0005%-0.3500%	C:0.0001%-10.0000% S:0.0001%-2.0000%
Furnace Power	2.2 KW	2.5 KW
Detection Cell	One carbon and one sulfur pool	One carbon pool and one sulfur pool (Expandable low-carbon and high-sulfur pools)
Overall Dimensions	L530*W370*H195mm	L1360*W610*H770mm L680*W510*H1260mm
Weight	115kg	215kg



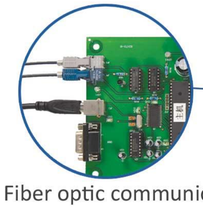
Automatic leak detection diagonosis function.

Imported electormagnetic value and gas path system.

High pressure dust removal and collection system.



High-power high-frequency Circuit suitable for various materials.



Fiber optic communication mode to completely solve the interference problem.

