MATRIX

ARUN TECHNOLOGY
MADE TO MEASURE

ARTUS-8



3 Years Warranty

HIGH PERFORMING METAL ANALYSER

PIONEERS OF CCD AS WELL AS CMOS DETECTOR

INNOVATIVE SPECTROMETERS FOR ELEMENTAL ANALYSIS

ARUN Technology Limited
16, The Brunel Centre Newton Road, Crawley West Sussex RH10 9TU, United Kingdom

The ARTUS 8 is a flagship CMOS spectrometer providing fast, precise, and accurate analyses for the prefect melt using a dynamic analytical calibrations including all alloying elements, Nitrogen, and their traces needed for treatment. It offers all the advantages of a flexible and versatile CMOS spectrometer.

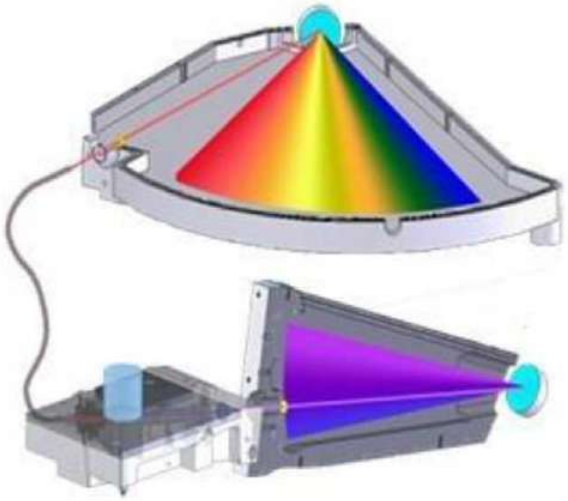
BRINGING PERFORMANCE & RELIABILITY

Quality Control and Assurance are essential to making your business successful. The ARTUS 8 is the ideal companion for incoming material, in-process testing, independent laboratory testing and final quality inspection. It is widely used in steel manufacturing, cookware, automotive, aluminium extrusion, cast iron and carbon steel industries.



INTERNAL GAS PATH PROTECTION

The ARTUS 8 uses a gas path protection device. If the instrument is not used for a long period of time, the gas path/light chamber purification time will not exceed 8 minutes.



PERFORNANCE AT THE CLICK OF A BUTTON

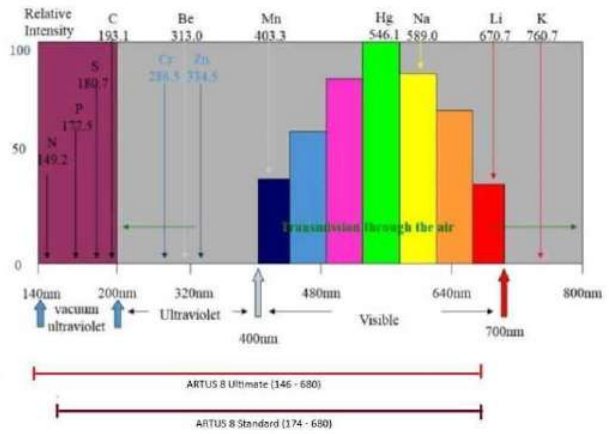
It is not only the optical resolution that determines the analytical power of the instrument. ARUN's bespoke software package has a powerful spectrometric hub as well as all the needed added features that help in daily routine work and make the use of the instrument efficient and a pleasure to operate.



KEY FEATURES

- Compact benchtop model
- High-resolution CMOS detectors
- High-resolution, full spectrum optical systems
- Holographic diffraction grating
- 3-side open spark stand with XY-sample clamp
- Controlled by PC
- Windows 10 Operating system
- Built-In Advanced Diagnostic System
- Ethernet connectivity
- No vacuum pump

PRODUCT MODELS TO FIT YOUR SPECIFICATIONS



ARTUS 8 Standard	ARTUS 8 Ultimate
UV-VIS-NIR-Optimum for ferrous & non-ferrous application except nitrogen element	uUV-UV-VIS-NIR-Optimum for ferrous & non-ferrous application including nitrogen element
Fe, Ni, Co, Cu, Al, Mg, Zn, Sn, Pb, Ti (Matrices & its alloys)	Fe, Ni, Co, Cu, Al, Mg, Zn, Sn, Pb, Ti (Matrices & its alloys)
Multi Optical System-300/400 mm focal length	
14 CMOS detectors	15 CMOS detectors

TECHNICAL SPECIFICATIONS

Optical System:	Paschen—Runge
Detector	CMOS
Wavelength Range:	146-680nm (Ultimate) | 174-680nm (Standard)
Power Supply:	Line input 90 or 260 volts AC 50-60 Hz
EMC:	IEC61000-4-2 | IEC61000-4-4 | IEC61000-4-5
Working Temperature:	10° to 35°C
Operating Humidity:	20-80%
Argon Purity:	99.998% or 99.999% purity
Argon Flow:	When burning : 5 L/min, Standby : 0.5 L/min, Sleep Mode : 0.1 L/min
Dimensions:	72 x 44 x 81 cm
Weight:	80kg
Maximum Excitation Power:	400VA
Optical Source Type:	50VA
Discharge Frequency:	400-1000Hz maximum
Discharge Current:	150A maximum
Spark Stand Aperture:	12mm



Engineered by

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Accredited Partner

MATRIX ANALYTICAL INSTRUMENTS PVT. LTD.

Sales & Service By:

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