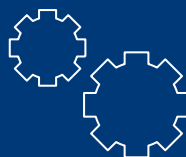


MERLIN 4

Small Design. Big on Performance



Our spectrometers are designed to perform quick and reliable measurements. ARUN Technology offers a wide portfolio of calibrations to choose from. If you require something special: tailor-made calibrations can be created by our application development team.



TECHNOLOGY AT WORK FOR YOU

The **MERLIN 4** is the newest addition to the ARUN Technology portfolio. It is a mid range CCD spectrometer available as a dedicated single-base unit as well as a versatile multi-base system. It is our entry level upgrade; perfect for foundries, metal producing and metal processing markets. Key time-saving benefits include:

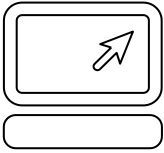
- Single sample standardisation (3S) and
- Intelligent Analytical Programme Selection (IAPS), which identifies base metals and most suitable calibration.

MERLIN 4 KEY FEATURES

- Compact benchtop model
- Self-purification system
- 3-side open spark stand with XY-sample clamp
- High analytical performance
- No vacuum pump, no Argon purge in optics
- Holographic diffracton grating
- High-resolution CCDs
- Digital spark source
- Ethernet connectivity
- Bespoke A-PLUS software
- Controlled by PC or laptop with Windows 10 operating system
- Economical to run

THE MERLIN 4 BRINGS PERFORMANCE AND RELIABILITY TO YOUR BUSINESS

Quality Control and Assurance are essential to making your business successful. The **MERLIN 4** is the ideal companion for incoming material, in-process testing and final quality inspection. Risks such as material mix-ups and machinery damage are reduced thanks to adapters which detect and analyse oddly shaped samples and small pieces and grade library which visually displays non-compliant alloy specifications.



A-PLUS SOFTWARE:

Performance at the click of a button

The performance of a CCD spectrometer largely depends on Spectral Deconvolution

Algorithms. It is not only the physical resolution that determines the analytical power of the instrument. ARUN's A-PLUS software is a bespoke software package that 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.

SOFTWARE FEATURES

- Foreign language menu capability
- Factory calibrated programs traceable to CRMs
- Automatic average calculation
- Display of single or multiple analysis
- Display of mean, standard or relative standard deviation
- User configurable results screen
- Formula editor (Carbon Equivalent, Total Trace, etc...)
- Quality control and identification functions
- User defined export functions
- User configurable grade library
- Report generator, print or PDF output, selected by sample ID field content
- User standardization for global or individual program
- User configurable Type Standardisation
- Storage and retrieval of data

TECHNICAL SPECIFICATIONS

Weight and dimensions

Weight: 70kg

Instrument size: 650 x 390 x 780mm

Electrical requirements

Line input 90 or 260 Volts AC 50-60 Hz

Automatic voltage stabilization

Environmental requirements

Operating temperature 10 to 30°C

Storage temperature 10 to 45°C

Other requirements Argon

99.998% or 99.999% purity—Argon gas purifier can be used, depending on application.

Sample taking equipment relevant to metal type(s)

Sample preparation equipment relevant to metal type(s)

SERVICE & SUPPORT

At ARUN Technology, we understand the importance of your spectrometer's uptime and reliability. Our customers experience exceptional service and support throughout the lifetime of their instrument. To ensure this, we provide a global network of service partners with factory-trained engineers. They provide local support to all our ARUN Technology instrument end-users. The ARUN ASSIST Programme is setup to provide assistance with

- installations
- online diagnostics and remote support
- preventative maintenance
- calibration checks
- extended warranties
- spares
- consumable packages

WHAT NEXT?

Get in touch with one of our global Sales Agents, Channel Partners or Distributors for a demonstration or for more information about our products and services.

E-mail sales@aruntechnology.com



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

Tel: +44 (0) 1293 513 123

Fax: +44 (0) 1293 521 507

sales@aruntechnology.com

www.aruntechnology.com

