

Arun Technology Limited - Innovating Spectroscopy  
Pioneers in CCD & CMOS Technology Spectrometers



Expertise in  
Spectroscopy  
Since 4  
Decades



**MERLIN 4**  
O.E.S.



**ARTUS 8**  
O.E.S.

**3 YEARS WARRANTY**



**LAMDA**  
— SCIENTIFIC SERVICES —

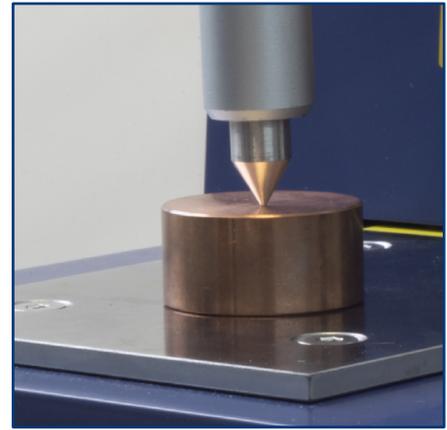
**Lamda Scientific Services Pvt. Ltd.**

Authorized Distributor for ARUN Technology

🌐 [www.lamdascientificservices.com](http://www.lamdascientificservices.com)

## SMALL DESIGN BIG ON PERFORMANCE

The MERLIN 4 is a mid-range CMOS spectrometer widely used within the metal production, processing, and recycling industries. 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.



## FEATURES

-  **LARGE SPARK PLATE**
-  **LOW ARGON CONSUMPTION**
-  **USER FRIENDLY SOFTWARE**
-  **SELF-DIAGNOSTIC SYSTEM**
-  **CMOS DETECTOR TECHNOLOGY**
-  **CONTROLLED OPTICS, CLEAR RESULTS**
-  **CALIBRATED FOR VERSATILITY**
-  **WORLDWIDE COMPATIBILITY**
-  **GRADE LIBRARIES FOR SMARTER INSPECTION**



TECHNICAL SPECIFICATION	
<b>Optical System</b>	Paschen-Runge
<b>Wavelength Range</b>	175-521nm (Ultra), 205-521nm (Visible)
<b>CMOS Detectors</b>	12 CMOS (Ultra) 11 CMOS (Visible)
<b>Power Supply</b>	Line input 115 or 260 volts, AC 50 - 60 Hz
<b>EMC</b>	IEC61000-4-2, IEC61000-4-4, IEC61000-4-5
<b>Working Temperature</b>	10° to 35°C

TECHNICAL SPECIFICATION	
<b>Operating Humidity</b>	20-80%
<b>Argon Purity</b>	99.998% Minimum, 99.999% Ideal 99.998% Minimum 99.999% Ideal
<b>Argon Flow</b>	When burning - 5L/min, Standby mode - 0.5L/min, Sleep mode - 0.1/min
<b>Dimensions</b>	65x39x79cm
<b>Weight</b>	67kg

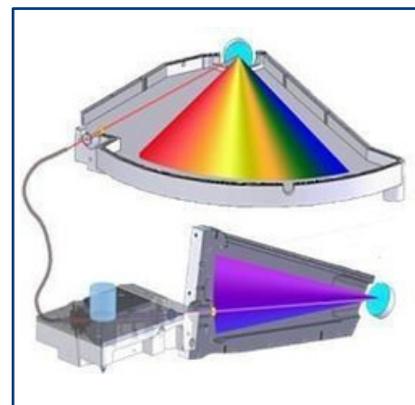
## HIGH PERFORMING METAL ANALYZER

The ARTUS 8 fulfils the requirement of providing fast, precise and accurate analyses. It is one of the most powerful and reliable spectrometers on the market, offering a bespoke range of analytical programs including steels, aluminium, copper, and other alloys. It offers the latest CMOS detector technology, providing accurate results with high repeatability.



## FEATURES

-  **LARGE SPARK PLATE FOR CONTINUOUS, STABLE ANALYSIS**
-  **LOW ARGON CONSUMPTION FOR EFFICIENT OPERATION**
-  **USER-FRIENDLY SOFTWARE FOR SEAMLESS OPERATION**
-  **SELF-DIAGNOSTIC SYSTEM FOR REDUCED DOWNTIME**
-  **RELIABLE QUALITY CONTROL ACROSS INDUSTRIES**
-  **BESPOKE CALIBRATIONS FOR DIVERSE ALLOY TYPES**
-  **WORLDWIDE COMPATIBILITY**
-  **CUTTING-EDGE CMOS TECHNOLOGY FOR HIGH-RESOLUTION DETECTION**
-  **TRACE ELEMENT DETECTION AT ULTRA-LOW LIMITS**
-  **MULTI OPTICS, ADVANCED OPTICAL INTEGRATION FOR SUPERIOR SPECTRAL ACCURACY**



Technical Specification	
<b>Optical System</b>	Paschen-Runge
<b>Wavelength Range</b>	140-680nm (Ultimate) 170-680nm (Standard) 210-680nm (Visible)
<b>CMOS Detectors</b>	15 CMOS (Ultimate) 14 CMOS (Standard) 13 CMOS (Visible)
<b>Power Supply</b>	Line input 115 or 260 volts, AC 50 - 60 Hz
<b>Working Temperature</b>	10° to 35°C

Technical Specification	
<b>EMC</b>	IEC61000-4-2, IEC61000-4-4, IEC61000-4-5
<b>Operating Humidity</b>	20-80%
<b>Argon Purity</b>	99.998% Minimum 99.999% Ideal
<b>Argon Flow</b>	When burning - 5L/min, Standby mode - 0.5L/min, Sleep mode - 0.1/min
<b>Dimensions</b>	72x44x81cm
<b>Weight</b>	80kG

# PERFORMANCE OVERVIEW

## ACCURACY

With powerful hardware and unique software algorithms, that delivers exceptional precision and accuracy in elemental analysis across a wide range of materials. Enjoy hassle-free sample handling for smooth, efficient operation.

## STABILITY

Optimized Paschen-Runge configuration with thermal stabilization and insulation ensure maximum analytical stability. A maintenance-free digital source delivers ultra-stable spark generation.

## SPEED

Experience fast measurements with high resolution and exceptional data quality. Ultra-fast readings, combined with multiple state-of-the-art CMOS sensors, delivers outstanding efficiency of spectral detection.

## SOFTWARE

Intuitive software for simple routine operation. Various user levels for secure and task-specific operations.



# LAMDA

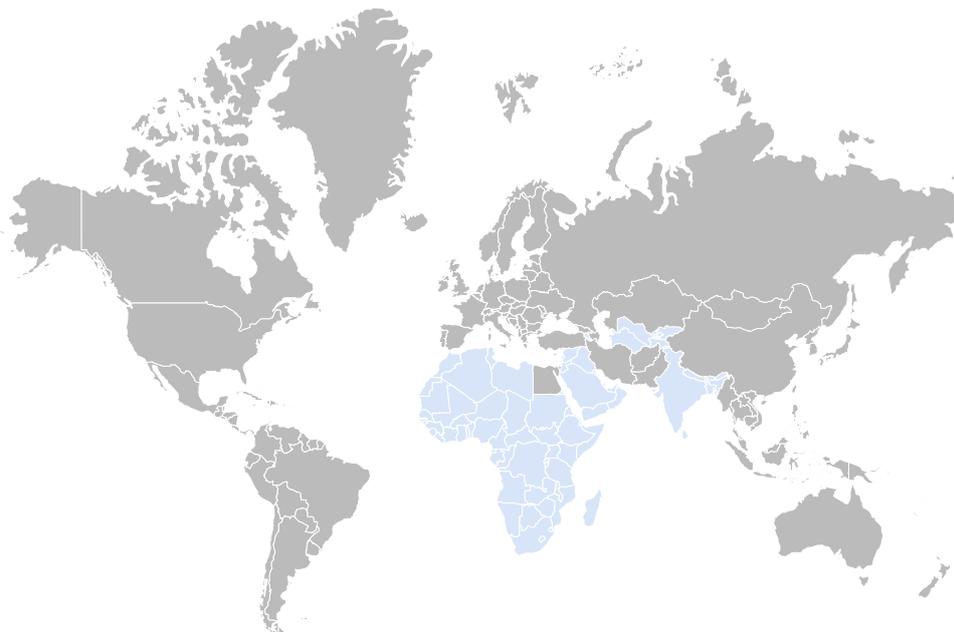
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## WE PROUDLY SERVE



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