

Your Partner in Analytical Excellence

With a rich history of over 35 years in instrumentation, Metal Power Analytical stands as a global leader in elemental analysis solutions and a pioneer in CCD- and CMOS-based Optical Emission Spectrometers (OES) for metal and oil analysis in laboratories and industry.

The company's extensive range of products is designed to meet all analytical needs with unparalleled accuracy and efficiency, offering the best value in the market. Our key product offerings include:

Stationary OES

Mobile OES

Rotating Disc
Electrode (RDE) OES

Sample Preparation
Machines

Allied
Equipment

Industry 4.0
Digital Solutions



Metavision 10008X

The zenith of sensitivity

1 1.0079 H Hydrogen	7 14.007 N Nitrogen	8 15.999 O Oxygen
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Flagship OES with ultra-low trace analysis at single- and sub-ppm levels for all elements.



Key Features

- Metal purity analysis: 99.998%+
- Analyse 60+ elements down to single- and sub-ppm
- Soluble-insoluble analysis
- Time-Resolved Spectroscopy (TRS)
- Multi-stage Argon repurification
- Hermetically sealed and cooled dual optics system



Scan to know more

Metavision 1008i³

When excellence is not good enough

1 1.0079 H Hydrogen	7 14.007 N Nitrogen	8 15.999 O Oxygen
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Only OES in its class to offer Oxygen analysis at low levels.



Key Features

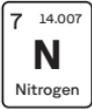
- Metal purity analysis: 99.995%+
- Analyse 60+ elements with detection limits down to 1 ppm for most elements
- Soluble-insoluble analysis
- Time-Resolved Spectroscopy (TRS)
- Multi-stage Argon repurification
- Hermetically sealed and cooled dual optics system



Scan to know more

Metavision 8i

Laboratory powerhouse



Comprehensive elemental analysis with dual optics, and multi-base capabilities.



Key Features

- Metal purity analysis: 99.98%+
- Analyse 55+ elements down to 20 ppm
- CMOS design covering the full usable spectrum
- Noise-free spectra for low-level analysis
- Unlimited base and matrix capability
- Dual optics system for the deep UV spectrum analysis



Scan to know more

MOSS

Compact and affordable

Remarkably compact and affordable OES with no compromise on features or detection capabilities.



Key Features

- Metal purity analysis: 99.9%+
- Analyse 30+ elements down to 50 ppm
- 2,000+ burns per cylinder
- Modular and scalable
- Smallest ever OES



Scan to know more



Mobile OES

High performance on wheels

6 12.011 C Carbon	7 14.007 N Nitrogen	15 30.974 P Phosphorus	16 32.06 S Sulphur
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Metavision MX+

Wide range and low limits of detection with advanced mobility for elemental analysis of 55+ elements.



Metavision MX

Advanced, multi-CMOS mobile OES built for reliable on-site elemental analysis.

Key Features

- High-resolution CMOS optics
- Ergonomic mobile self-contained trolley
- Integrated computer and 15" touchscreen
- Up to 8 hours of battery backup
- Fast charging mode; 80% in 10 minutes
- HDMI output, dual data export (Ethernet and USB)
- Access to 350,000+ metal grades library
- Ideal for PMI, sorting, and advanced applications



Scan to know more

Metavision RX

Extremely rugged oil analyzer

Compact and rugged Rotating Disc Electrode (RDE) OES to enable oil analysis for wear metals and contaminants.



Key Features

- Simultaneously analyse 33+ elements down to 0.1 ppm
- Ultra-high resolution CMOS-based optics
- Full ASTM D6595 and D6728 compliance
- 165-800 nm spectral coverage with optional Sulphur analysis
- Advanced safety features to safeguard users and the instrument



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- Full coverage for parts, service, and repairs
- Predictive maintenance prevents downtime
- Highest discounts on all MPA offerings
- Includes 2 PT* registrations



- Predictable maintenance with diagnostics
- Covers operating costs and offers discounts
- Includes priority scheduling and consumable kit
- Includes 1 PT* registration



- Predictable maintenance with diagnostics
- Discounts on consumables, spares, and accessories
- Priority scheduling under the plan

*ISO/IEC 17043-accredited Proficiency Testing (PT)

Sample Preparation Machine

Prepare sample surfaces
for quality analysis

MPALabTab

Access your OES
data from anywhere
and on any device

WirelessRTDS

Transmit your readings
from lab to melting
platform wirelessly

ArmourSafe

Safeguard your
instruments against
power anomalies in
real-time

MetaLib Pro

Access the world's
most comprehensive
library for metal
grade identification

A comprehensive
ecosystem for your
spectrometer

Charge Correction

Integrated IT solution for
best practice in melting
and furnace operations

LIMS

Digitise and connect your
analysis instruments to
manage data seamlessly

Metal Power Analytical's exemplary track record speaks volumes

4,500+

spectrometer
installations
worldwide

100+

service engineers
ensuring
instrument
uptime globally

50+

countries
across five
continents
served

35+

years of
unwavering
commitment to
the industry

METAL  POWER

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