

MEASURE.
ANALYZE.
OPTIMIZE.



BLUE DRAGON
T E C H N O L O G Y

Company Profile 2026 Edition

Analytical Instrumentation for Critical Industrial Measurements

Blue Dragon-developed analyzers and selected international measurement technologies.



Process
Analysis



Laboratory
Instrumentation



Engineered
Measurement Systems



Lifecycle
Support

Process Analysis • Laboratory Instrumentation • Engineered Measurement Systems • Lifecycle Support



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COMPANY OVERVIEW

Instrumentation Built Around the Measurement


BLUE DRAGON
TECHNOLOGY

Blue Dragon Technology develops, supplies and supports analytical and process measurement solutions for critical industrial applications. Our portfolio combines Blue Dragon-developed analyzers with selected technologies from specialized international manufacturers, supported by application engineering, commissioning, training and lifecycle service.

We serve industrial customers and partners across international markets, with solutions for refinery, petrochemical, gas processing, water, laboratory, manufacturing and environmental applications.

AT A GLANCE



6 measurement
series



Application-focused
technical support



Blue Dragon-developed
and partner
technologies



International
industrial market
focus



Process Analysis

Online analyzers and continuous measurement systems for critical industrial monitoring.



Laboratory & Materials Analysis

TOC, XRF and laboratory instrumentation for elemental and water-quality applications.



Engineered Measurement

Flow, temperature and application-specific measurement assemblies for demanding services.



Lifecycle Support

Application review, commissioning, training, maintenance and technical support beyond delivery.

Refining • Petrochemical • Natural Gas & LNG • Water & Wastewater • Mining & Materials
• Environmental • Manufacturing • Power



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BLUE DRAGON
TECHNOLOGY

HOW WE DELIVER

From Measurement Problem to Qualified System

Blue Dragon approaches each enquiry by starting with the measurement objective, process conditions and project constraints, then matching the application to the most appropriate measurement platform and configuration.



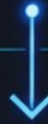
What We Consider

- Sample / process characteristics
- Measurement range and purpose
- Operating pressure and temperature
- Hazardous-area and installation requirements
- Utilities, outputs and communications
- Project objectives and service expectations



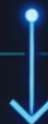
01 — Application Review

Measurement objective, process or sample, expected range, operating conditions, environment and project constraints.



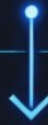
02 — Instrument & Configuration Selection

Choose the appropriate measurement principle, platform, options and performance configuration.



03 — Integration & Documentation

Define interfaces, utilities, sample or process connections, communications and project documentation requirements.



04 — Commissioning & Lifecycle Support

Support startup, verification, training, maintenance planning and long-term technical service.

Application-focused technical support
from initial enquiry through operation.



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MEASUREMENT PORTFOLIO

Six Measurement Series. One Application-Focused Platform.

Blue Dragon Technology delivers advanced analytical and measurement solutions that help you optimize performance, ensure reliability, and achieve operational excellence.

1 Sulfur Analysis



Online analyzers for total sulfur, hydrogen sulfide, sulfur ratio, and sulfur recovery process monitoring.

Available now: 800TS, 810H2S-P

Coming soon: 810H2S, 810H2S-TS, 820TGA, 800RS

2 Moisture & Dew Point



Trace moisture, water dew point and hydrocarbon condensation measurement for natural gas and industrial gases.

3 Water Quality & Organic Carbon



TOC, oil-in-water, turbidity and water measurement solutions for laboratory and process applications.

4 Elemental Analysis & Materials Characterization



XRF composition, identification, screening and quality-control solutions for field and laboratory use.

5 Temperature Measurement



Engineered tube-skin, multipoint, surface and specialized temperature-measurement assemblies.

6 Flow Measurement



Ultrasonic gas-flow measurement solutions for demanding industrial services.

SULFUR ANALYSIS SERIES

Advanced sulfur measurement solutions for continuous, accurate and reliable performance.

AVAILABLE NOW

MODEL 800TS

ONLINE TOTAL SULFUR ANALYZER

Continuous online sulfur measurement across industrial applications for both liquid and gas streams.



MODEL 810H2S-P

PORTABLE HYDROGEN SULFIDE TAPE ANALYZER

Portable continuous H_2S monitoring for industrial gas streams and field deployment.



UV Fluorescence Detection

Ultra-low detection limit of 100 ppb



Patented Catalytic Combustion

100% conversion of sulfur compounds to SO_2



Gas & Liquid Analysis

One analyzer for both liquid and gas streams



Lead-Acetate Tape Detection

Proven lead-acetate sensing tape for accurate H_2S detection.



Optical Measurement

Optical system delivers stable, interference-free measurements.



Portable Field Deployment

Rugged, lightweight enclosure built for field conditions.

COMING SOON

810H2S



Next-generation portable H_2S analyzer for enhanced performance and reliability.

810H2S-TS



Advanced tape-based H_2S analyzer with thermal stability and improved sensitivity.

820TGA



Thermal conductivity analyzer for total sulfur measurement with high accuracy.

800RS



Rack-mounted sulfur analyzer designed for continuous industrial monitoring.



Continuous Monitoring



Wide Range Applications



High Accuracy & Sensitivity



Reliable Performance



Process Confidence

WATER & PROCESS ANALYSIS SERIES

Online and laboratory analyzers for TOC, oil-in-water, and turbidity measurement across industrial and water-quality applications.



1 MODEL C680

High-Temperature Combustion TOC Analyzer

- ✓ 680°C Combustion
- ✓ NDIR Detection
- ✓ TOC / TC / IC / NPOC

2 MODEL U1600-O

Online TOC Analyzer

- ✓ Online TOC Monitoring
- ✓ Touchscreen Interface
- ✓ Process-Ready Enclosure



3 MODEL U1600-L

Laboratory TOC Analyzer

- ✓ Laboratory Water Testing
- ✓ Touchscreen Interface
- ✓ Integrated Printer



4 MODEL C6100IW

Online Oil-in-Water Analyzer

- ✓ 0–150 ppm Range
- ✓ UV Fluorescence
- ✓ Self-Wiping Sensor



5 MODEL C620TUR

Online Turbidity Analyzer

- ✓ 0–4000 NTU Range
- ✓ Infrared Optics
- ✓ Self-Wiping Sensor



Online
Monitoring



Water
Quality



Laboratory
Ready



Process
Control



Reliable
Data



BLUE DRAGON
TECHNOLOGY

ELEMENTAL ANALYSIS

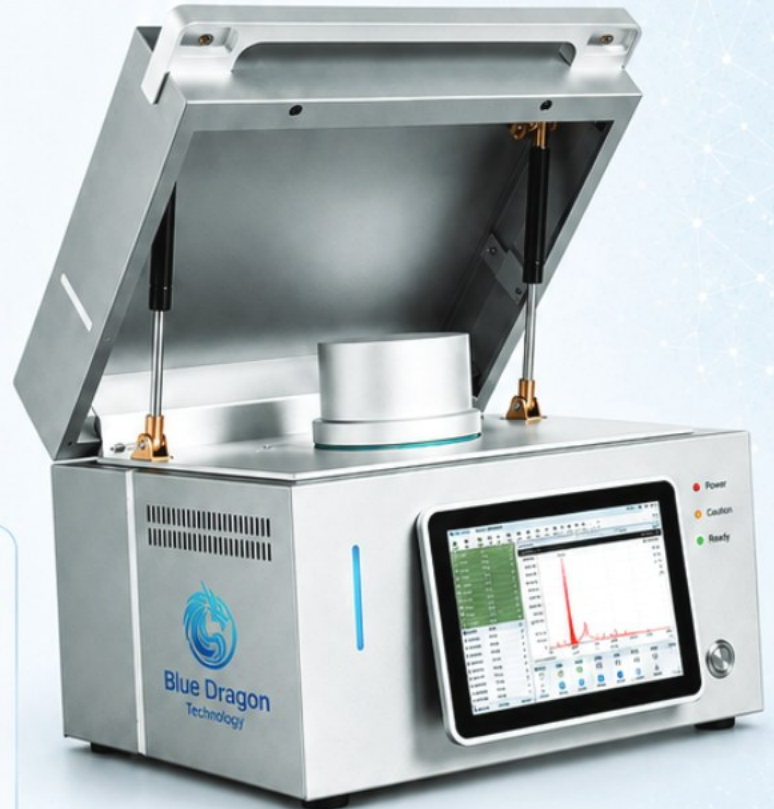
Portable and benchtop X-ray fluorescence solutions for rapid elemental testing.

MODEL

ELEMENTX B1

VACUUM BENCHTOP X-RAY FLUORESCENCE SPECTROMETER

Precision elemental analysis for metals, minerals, powders, pellets, and laboratory testing.



Mg-U Element Range

Broad elemental coverage for laboratory and materials analysis



Fast SDD Detection

Rapid, non-destructive XRF results



Integrated Touchscreen Workflow

Intuitive operation and report-ready data

MODEL

ELEMENTX H1

HANDHELD X-RAY FLUORESCENCE SPECTROMETER

Portable elemental analysis for mining, alloys, scrap, and material verification.



Mg-U Element Range

Broad elemental coverage for field analysis



Fast SDD Detection

Rapid, non-destructive XRF results



Portable Field Use

Ergonomic design for on-site testing



Non-Destructive Testing



Accurate Results



Portable & Benchtop



Improved Productivity

TEMPERATURE, MOISTURE, DEW POINT & FLOW MEASUREMENT

Selected process measurement solutions for demanding industrial applications.



TEMPERATURE



BDT-SKIN TUBE-SKIN THERMOCOUPLES

Direct tube-wall temperature measurement for fired heaters, reformers, boilers, and superheater tubes.



Direct tube-wall measurement



Rugged metal-sheathed design



BDT-MP MULTIPOINT TEMPERATURE ASSEMBLIES

Custom multipoint temperature profiling for reactors, columns, kilns, and large vessels.



Multiple sensing points at various depths



Custom engineered assemblies



FLOW MEASUREMENT



LAURIS FF1225-A SINGLE-PATH INLINE ULTRASONIC GAS FLOW METER

Precision single-path ultrasonic measurement for flare gas, vent gas, process gas, and natural gas applications.



Single-path ultrasonic measurement



Inline spool design for reliable performance



LAURIS FF2225-A DUAL-PATH INLINE ULTRASONIC GAS FLOW METER

High-confidence dual-path ultrasonic measurement for dirty, wet, and variable gas streams.



Dual-path ultrasonic measurement



Improved profile compensation



MOISTURE & DEW POINT



FAS-W ONLINE WATER DEW POINT ANALYZER

Direct chilled-mirror water dew point measurement for natural gas, hydrogen-containing gases, and industrial process gases.



Direct chilled-mirror measurement



Hydrogen-ready process duty



CONG PRIMA-2M WATER & HYDROCARBON DEW POINT TRANSDUCER

Automatic chilled-mirror dew point and hydrocarbon condensation temperature measurement for industrial gas applications.



Chilled-mirror measurement method



Dual dew point capability



Custom
Engineered



Process
Ready



Inline
Monitoring



Industrial
Performance

INDUSTRIES & APPLICATIONS

Process instrumentation and analytical solutions across critical industrial sectors

Blue Dragon Technology delivers reliable, accurate and application-focused measurement solutions that help industrial operators, laboratories and engineering teams optimize performance, ensure compliance and drive operational excellence.



OIL & GAS

Monitor sulfur in crude and products, moisture and dew point in natural gas, and ensure process safety and quality.



REFINING & PETROCHEMICALS

Track sulfur in fuels, process gas analysis, moisture control, and temperature monitoring to optimize yield and meet specifications.



WATER & WASTEWATER

Measure TOC, water quality, flow, and turbidity to ensure regulatory compliance and efficient water treatment.



MINING & METALS

Perform elemental analysis of ores and concentrates, monitor moisture, and optimize extraction and material processing.



POWER & UTILITIES

Monitor steam quality, moisture, and gas composition to improve efficiency, reliability and emissions control.



SPECIALTY CHEMICALS

Ensure product purity with elemental and moisture analysis, temperature control and process gas monitoring.



INDUSTRIAL MANUFACTURING

Maintain process stability with temperature, flow, moisture and gas analysis for consistent quality and productivity.



LABORATORIES & RESEARCH

Support R&D and quality control with high-precision elemental analysis, TOC, and moisture measurement.



Broad Industry Coverage



Application-Focused



Measurement Confidence



Process Insight

ENGINEERING & LIFECYCLE SUPPORT

From application review to long-term operational support

Blue Dragon Technology partners with you at every stage of your project lifecycle—delivering engineered solutions that perform. From initial application review and tailored design to seamless integration, commissioning, training, and ongoing service, our goal is to ensure reliability, compliance, and long-term operational success.



OUR LIFECYCLE PROCESS



CUSTOM ENGINEERING

Our engineering team delivers tailored instrumentation and measurement solutions designed to meet your unique process, environmental, and regulatory requirements with performance and reliability in mind.



SYSTEM INTEGRATION

We integrate instruments, analyzers, and control systems into seamless, scalable solutions—ensuring compatibility, data integrity, and optimal system performance across your operations.



TECHNICAL DOCUMENTATION

Clear, accurate documentation is delivered for every project, including drawings, datasheets, I/O schedules, manuals, and compliance certificates—supporting safe operation and regulatory adherence.



AFTER-SALES SUPPORT

Our commitment continues long after commissioning with responsive technical support, preventive maintenance, calibration, and ready access to genuine spares and expert advice.



Engineering Support



System Integration



Lifecycle Service



Responsive Partnership

WHY BLUE DRAGON / CONTACT

A practical partner for industrial instrumentation and analytical solutions



WHY BLUE DRAGON



BROAD MEASUREMENT PORTFOLIO

Comprehensive range of temperature, moisture, dew point, flow, and analytical solutions to meet the needs of diverse industrial applications.



APPLICATION-FOCUSED APPROACH

We understand your process challenges and recommend the right measurement solutions to improve performance and ensure compliance.



CUSTOM ENGINEERING CAPABILITY

From customized assemblies to application-specific modifications, our engineers tailor solutions to fit your exact requirements.



RELIABLE INDUSTRIAL DESIGN

Rugged, accurate, and built for harsh environments with proven reliability, long-term stability, and low cost of ownership.



COMPETITIVE VALUE

High-performance solutions engineered for efficiency, delivering excellent value without compromising quality.



RESPONSIVE TECHNICAL SUPPORT

Knowledgeable experts provide rapid assistance before, during, and after delivery to keep your operations running smoothly.



CONTACT

LET'S DISCUSS YOUR APPLICATION

Our team is ready to understand your requirements and deliver measurement solutions that make a measurable difference.



Website
bluedragontechnology.com



Email
info@bluedragontechnology.com

WE'RE HERE TO HELP WITH:



Application Review



Product Selection



Engineering Support



Distributor Inquiries



From standalone analyzers to complete engineered measurement solutions, **Blue Dragon Technology** supports your projects with the expertise, products, and service you need — every step of the way.



Trusted Support



Global Reach



Flexible Solutions



Project Ready