

COMPANY PROFILE

Contact Us:

info@labexpo.com
www.labexpo.com

Address:

123 W 1st St, Casper, WY 82601, United States

ABOUT LAB EXPO

Lab Expo is a manufacturer and supplier of laboratory equipment serving research, pharmaceutical, healthcare, environmental, petroleum, academic, and industrial laboratories worldwide. Operating from Casper, Wyoming, USA, the company develops equipment that supports analytical testing, quality control, scientific research, and routine laboratory operations across a broad range of applications.

With a portfolio comprising 140+ product categories, 180+ specialized subcategories, and more than 1,000 equipment models, Lab Expo provides laboratories with access to an extensive selection of equipment through a single manufacturing source. Supported by dedicated technical assistance, specialized product divisions, and experienced application support, the company maintains a product portfolio designed to address the evolving requirements of modern laboratories.

Lab Expo at a glance:

- 140+ Product categories
- 180+ Specialized subcategories
- 1,000+ Equipment models
- Dedicated post-sales technical support
- 10 Specialized product divisions
- Customer and technical assistance via multiple communication channels

"Committed to developing laboratory equipment that supports consistent performance, operational efficiency, and dependable analytical outcomes."



OUR GUIDING PRINCIPLES

Vision

To advance laboratory science by developing high-quality equipment that supports research, analytical testing, quality assurance, and industrial applications while contributing to the evolving needs of laboratories worldwide.

Mission

To design, manufacture, and supply laboratory equipment that enables consistent laboratory performance across scientific, clinical, pharmaceutical, environmental, and industrial applications. Through comprehensive technical documentation, application guidance, and responsive customer support, Lab Expo is committed to supporting informed equipment selection and long-term operational performance.

Core Values



Uncompromising product quality

We never compromise on quality because excellence is our standard.



Scientific integrity in every design

Science, honesty, and precision shape every product we create.



Customer-centric service culture

Our customers are at the heart of everything we do.



Energy-efficient manufacturing

Sustainable processes for a better tomorrow.



Innovation & continuous improvement

We innovate today to create better solutions for tomorrow.



Transparency & regulatory compliance

We operate with transparency and adhere to global standards.



PRODUCT PORTFOLIO OVERVIEW

Lab Expo offers an extensive portfolio of laboratory equipment across specialized product divisions supporting scientific research, analytical testing, pharmaceutical manufacturing, industrial quality control, environmental analysis, and clinical applications. Each division is organized around dedicated equipment categories, enabling laboratories to source application-specific equipment from a single manufacturer.

Division	Key Equipments & Product Lines
Laboratory Equipment	Autoclaves, Centrifuges, Fume Hoods, Laboratory Ovens, Freezers, Ice Makers, Colony Counters, Baths & Circulators, Incubators, Shakers, Mixers, Balances
Analytical Equipment	HPLC Systems, Gas Chromatograph–Mass Spectrometers (GC-MS), Ion Chromatographs, Spectrophotometers, Chemiluminescence Imaging Systems, Particle Counters, Particle Size Analyzers, TOC Analyzers, Flame Photometers, Colorimeters, Spectral Colorimeters
Petroleum Testing Equipment	Acid & Alkali Testers, Viscometers, Closed-Cup Flash Point Testers, Aniline Point Testers, Pour & Cloud Point Testers, Wax & Oil Content Testers designed in accordance with ISO standards
Testing Equipment	Equipment for testing Paper, Leather, Plastic, Rubber, Textile, and Composite Materials, developed in accordance with ISO, CE standards
Water Testing Equipment	Conductivity Testers, Dissolved Oxygen Testers, Benchtop & Portable pH Meters, Ion Meters, BOD Meters, COD Analyzers, Water Hardness Meters, Pocket pH Testers
Medical Equipment	Blood Gas Analyzers, Laser Therapy Equipment, Medical Scales, Semen Analyzers, Hemoglobin Meters, Oxygen Concentrators
Pharmaceutical Machinery	Disintegration Testers, Tablet Hardness Testers, Drug Stability Chambers supporting pharmaceutical manufacturing and quality control applications

PRODUCT PORTFOLIO OVERVIEW

Lab Safety Products	Fume Hoods, Laminar Airflow Cabinets, Biosafety Cabinets, Autoclaves for decontamination, Chemical Storage Cabinets, Emergency Safety Equipment supporting personnel, sample, and laboratory protection
Security Systems	Laboratory Security Cabinets, Access Control Systems, Tamper-Resistant Storage Units, Data Logging Systems, and Traceability Infrastructure designed for controlled laboratory environments
General Lab Supplies	Pipettes, Plastic and Glass Labware, Laboratory Filters, PCR Accessories, Protective Gloves, and Disposable Laboratory Consumables supporting routine laboratory operations



LABORATORY EQUIPMENT



Autoclave

Autoclaves are applied in controlled steam sterilization workflows where regulated temperature, pressure, and exposure time are required for process consistency. Each autoclave sterilizer operates using high-pressure saturated steam and is manufactured from stainless steel to support hygienic operation and corrosion resistance.



Biological Safety Cabinet

Biological Safety Cabinets support sterile containment using HEPA-filtered inflow and downflow airflow to remove airborne contaminants. Integrated UV sterilization and internal lighting enhance safe operation, while airflow monitoring with alarms ensures controlled, consistent containment during routine laboratory procedures.



Centrifuge

Centrifuges support controlled sample separation workflows where stable rotational force and repeatable speed control are required for laboratory processing. As a centrifuge manufacturer, Lab Expo systems operate using microprocessor-regulated rotation with brushless DC motors to maintain consistent speed and separation performance.



Lab Refrigerator

Lab refrigerators are available in a variety of types, including medical refrigerators. These include microprocessor-based temperature controls and big LCD monitors. These units provide frost-free conditions, door locks, alarms and optional monitoring modules. They have adjustable temperatures and fan-assisted air conditioning. They support USB data downloads and thermal printer temperature recorders. Our lab refrigerator provides accurate temperature control to satisfy specific storage requirements.

ANALYTICAL EQUIPMENT



HPLC

HPLC systems are configured for ultra high performance liquid chromatography and routine analytical separation workflows in pharmaceutical, chemical, and research environments. The series supports flow rates from 0.001 to 9.999 mL/min with operating pressures up to 45 MPa across analytical, semi-preparative, and preparative liquid chromatography equipment configurations.



FISH Hybridization

FISH Hybridization units are configured for fluorescence in situ hybridization procedures requiring controlled temperature regulation during sample processing. Systems support up to 12 samples with operating temperatures from RT+5 °C to 100 °C and adjustable settings between 0 °C and 100 °C.



Ion Chromatography

Ion Chromatography Systems support high-precision ionic analysis where stable separation, sensitive detection, and automated eluent management are required for complex samples. The systems operate with modular flow paths, gradient elution, and bipolar conductivity detection to maintain consistent analytical conditions.



Kjeldahl Apparatus

Kjeldahl Apparatus units are configured for nitrogen and protein determination in food, agricultural, environmental, and chemical analysis workflows. The series includes graphite digesters, semi-automatic analyzers, and automated Kjeldahl systems operating from 5 °C to 450 °C with digestion capacities up to 20 samples per batch. Systems support nitrogen measurement from 0.1 mg to 240 mg N and controlled distillation processes, enabling routine sample digestion, analysis, and quantitative nitrogen evaluation.

PETROLEUM TESTING EQUIPMENT



Closed Cup Flash Point Tester

Closed Cup Flash Point Tester units are used for determination of flash point of flammable liquids under controlled enclosed conditions in laboratory workflows. The range supports testing from approximately 5 °C to 400 °C with defined resolution and repeatability. Systems integrate controlled heating, automated ignition, and sample stirring, suitable for petroleum testing, chemical analysis, and safety compliance applications.



Stabinger Viscometer

Stabinger Viscometer delivers accurate viscosity and density analysis with automated operation for smooth and efficient testing. It features quality control by providing reliable fluid measurement for petroleum labs and research use. We offer precise and repeatable results with flexible operation and an easy-to-use control interface.

TESTING EQUIPMENT



Environmental Monitoring Equipment

Environmental Monitoring Equipment are used for continuous assessment of indoor and ambient air quality across controlled and occupational environments. The series covers multi-parameter configurations measuring CO₂, PM1.0, PM2.5, PM10, HCHO, TVOC, AQI, temperature, and humidity, with select models extending to O₃, CO, O₂, smoke, and pollen detection.



Ferrous Debris Monitor

Ferrous Debris Monitor units are used for detection and evaluation of ferromagnetic wear particles in lubricants and machinery fluids. Systems support measurement up to 15000 PQ while capturing particles greater than 1 µm for wear condition assessment

WATER TESTING EQUIPMENT



COD Analyzer

COD Analyzer units are used for determination of chemical oxygen demand in water and wastewater samples across laboratory workflows. The range supports COD measurement from 2 to 15000 milligrams per liter with controlled heating up to 200 °C and defined accuracy and repeatability.



Benchtop Conductivity Meter

Benchtop Conductivity Meter units are used for measurement of ionic conductivity in liquid samples across laboratory workflows. The range supports conductivity measurement from very low to very high conductivity levels, covering ultra-pure to highly conductive solutions, with defined resolution and accuracy across ranges.

MEDICAL EQUIPMENT



Arteriosclerosis Detector

Arteriosclerosis Detectors are designed for non-invasive vascular assessment, supporting evaluation of arterial stiffness and peripheral circulation. These systems measure parameters such as BaPWV, ABI, and BAI using automated detection methods.



Blood Pressure Monitors

Blood Pressure Monitors are used for non-invasive measurement of systolic and diastolic pressure in clinical and home-care settings. The range supports pressure measurement from 0 to 290 millimeters of mercury with pulse detection from 40 to 199 beats per minute.

PHARMACEUTICAL MACHINERY



Disintegration Tester

Disintegration Tester units are used to assess tablet and capsule disintegration under controlled motion conditions in pharmaceutical testing workflows. The range includes systems with dual basket assemblies operating at 30 to 32 cycles per minute and a reciprocating range of 55 ± 1 mm.



Dissolution Tester

Dissolution Tester units are configured for controlled release testing of solid dosage forms in pharmaceutical workflows. The range includes systems operating at 20 to 200 r/min with speed accuracy of ± 2 r/min and six-vessel configurations for parallel sample processing.

LAB SAFETY PRODUCTS



Radon Detector

Radon Detector provide essential monitoring solutions for detecting radon gas in indoor environments. These equipment ensure accurate and consistent performance through sensitive detection mechanisms. Their compact and user-friendly designs enable easy operation.



Air Cleaning Device

Air Cleaning Device delivers powerful purification through using advanced filters and smooth airflow. They support continuous air monitoring to automatically adjust performance based on indoor air quality. These offer long-lasting performance with low maintenance and energy-efficient operation.

SECURITY SYSTEMS



X-Ray Baggage Scanner

X-Ray Baggage Scanner units are configured for non-invasive baggage and parcel inspection across transportation hubs, commercial facilities, and security screening environments.



Explosive Trace Detector

Explosive Trace Detector units are designed for rapid screening of trace explosive and narcotic residues in security and inspection workflows. Systems support detection of multiple explosive compounds including TNT, RDX, PETN, C4, TATP, and HMX, along with narcotics such as cocaine, heroin, methamphetamine, ketamine, and MDMA.

GENERAL LAB SUPPLIES



Vacuum Desiccator

Vacuum Desiccator efficiently maintains a low-pressure, moisture-free environment for preservation of samples. They offer airtight sealing system to minimize external air intrusion. Their transparent chamber allows easy visual monitoring of sample conditions.



Laboratory Glassware

Laboratory Glassware units are configured for liquid handling, sample preparation, measurement, and reagent storage across laboratory workflows. The range includes glass beakers from 5 ml to 250 ml with calibrated graduations and reinforced wall thickness up to 1.9 mm, graduated cylinders with fine subdivision measurement, and reagent bottles in multiple storage capacities.

QUALITY ASSURANCE FRAMEWORK

Quality management is integrated throughout the product lifecycle, encompassing equipment design, manufacturing, inspection, calibration, and technical support. Applicable product categories are developed in accordance with internationally recognized quality and regulatory frameworks, supporting consistent manufacturing practices and regulatory requirements across laboratory, medical, and industrial applications.

ISO 9001:2015 Quality Management System Certification Establishes a structured quality management framework governing design, manufacturing, inspection, and customer support processes, with emphasis on continual process improvement and documented quality controls.	ISO 13485:2016 Medical Device Quality Management Applied to applicable medical and clinical equipment categories to support quality management requirements for healthcare and diagnostic applications.
EC Declaration of Conformity Applicable products are accompanied by an EC Declaration of Conformity confirming conformity with the relevant applicable European requirements for product safety, performance, and documentation.	Good Manufacturing Practice (GMP) Manufacturing processes follow Good Manufacturing Practice principles, including controlled production, material traceability, process documentation, and quality verification for regulated laboratory and pharmaceutical environments.
2014/35/EU — Low Voltage Directive Electrical Safety Certification Applicable electrically powered equipment is designed in accordance with EU electrical safety requirements covering insulation, construction, and operator protection.	2014/32/EU — Measuring Instruments Directive Metrological Accuracy Certification Selected measurement equipment is developed in accordance with applicable metrological requirements for industrial, commercial, and laboratory applications.

Multi-Standard Compliance Note

Selected testing equipment is manufactured in accordance with internationally recognized standards, including ISO, CE, and EN, depending on the product category and application.

INDUSTRIES & APPLICATIONS SERVED

Lab Expo equipment supports a broad range of scientific, analytical, clinical, environmental, and industrial applications. The product portfolio is developed to meet the operational requirements of research laboratories, pharmaceutical manufacturing, quality control facilities, healthcare institutions, environmental monitoring programs, and industrial testing environments.

Life Sciences & Biotechnology Cell culture, molecular biology, PCR, microbiology, flow cytometry, protein analysis, genomics, fermentation, and bioreactor monitoring	Pharmaceutical & Clinical R&D Drug dissolution, tablet characterization, stability studies, blood gas analysis, hemoglobin assessment, and pharmaceutical manufacturing processes	Petroleum & Energy Flash point testing, viscosity determination, aniline point analysis, pour and cloud point testing, wax content analysis, and fuel quality control
Environmental & Water Science BOD and COD analysis, dissolved oxygen measurement, conductivity, pH and ion analysis, TOC determination, and field-based water quality monitoring	Industrial & Material Testing Physical and mechanical testing of paper, leather, plastics, rubber, textiles, and composite materials in accordance with ISO and EN, standards	Healthcare & Clinical Diagnostics Blood gas analysis, oxygen therapy, hemoglobin testing, semen analysis, laser therapy, and clinical weighing applications



CORE COMPETENCIES & DIFFERENTIATORS

Exceptional Portfolio Depth

With 140+ product categories, 180+ subcategories, and more than 1,000 equipment models, Lab Expo provides a comprehensive portfolio spanning routine laboratory equipment to advanced analytical systems, simplifying procurement across multiple application areas.

Energy-Efficient, Advanced-Technology Design

Equipment is developed with advanced technologies and energy-efficient designs to support consistent performance while helping reduce operational costs.

Multi-Standard Global Compliance

Equipment is manufactured in accordance with internationally recognized standards and regulatory frameworks, including ISO, CE, EN, and applicable EU Directives, supporting acceptance across global markets.

Dedicated Post-Sales Support

Technical assistance includes product guidance, troubleshooting, calibration support, spare parts availability, and direct access to product specialists throughout the equipment lifecycle.

Full Digital Catalog Library

Ten downloadable product catalogs, organized by product division, are available through the Lab Expo website, enabling efficient specification review and procurement planning.

24/7 Expert Access

Technical experts are available through the website, email, phone, and WhatsApp, providing timely assistance across different time zones.



*Laboratories that trust their equipment achieve
science that matters.*