



Fison Instruments Ltd. is a global manufacturer and supplier of laboratory equipment, delivering engineered equipment for scientific research, clinical diagnostics, pharmaceutical production, environmental analysis, food testing, petroleum laboratories, and industrial quality control. Every product in the catalogue carries the FM model designation, reflecting complete manufacturing accountability from design and engineering to production, testing, calibration, and final validation.

With more than 150 product lines across 30+ equipment categories, Fison offers one of the industry's most extensive laboratory equipment portfolios from a single manufacturer. The portfolio spans advanced analytical equipment, clinical diagnostic equipment, thermal systems, materials characterization, petroleum testing, and routine laboratory equipment, supporting the operational requirements of research institutions, healthcare laboratories, manufacturers, and testing facilities worldwide.

Company Name	Fison Instruments Ltd.
Product Prefix	FM Series (Fison Manufactured)
Headquarters	United Kingdom
Website	www.fison.com
Email	info@fison.com
Catalogue Size	150+ product lines across 30+ categories
Business Type	Manufacturer, Exporter & Global Supplier
Industries	Clinical, Research, Pharma, Environmental, Food, Petroleum, Industrial
Certifications	CE Marked ISO Compliant IQ/OQ/PQ Available
Quote	Request A Quote at www.fison.com , fast & obligation-free

OUR MISSION

To design, manufacture, and supply laboratory equipment that enables scientists, clinicians, engineers, and quality professionals to generate consistent, reproducible, and accurate results, supporting research, quality assurance, regulatory compliance, and scientific advancement across diverse laboratory environments.

OUR VISION

To be a globally recognized manufacturer of laboratory equipment, distinguished by engineering excellence, a comprehensive product portfolio, and a steadfast commitment to quality, technical expertise, and long-term customer partnerships.

Core Principles

Precision Engineering

Performance consistency and measurement accuracy are integrated into the design, manufacturing, and validation of all Fison equipment.

End-to-End Manufacturing

The FM prefix signifies equipment designed, engineered, manufactured, tested, and validated by Fison, ensuring complete manufacturing accountability.

Comprehensive Product Portfolio

With more than 150 product lines across 30+ categories, Fison supports diverse laboratory requirements through a single manufacturing source.

Safety by Design

Integrated safety features and compliance with internationally recognized standards support secure operation across laboratory and industrial environments.

Transparent Business Practices

Clear technical specifications, competitive pricing, and responsive communication enable informed procurement decisions and long-term partnerships.

Continuous Product Development

Ongoing engineering advancements in digital controls, sensor technologies, automation, and connectivity enhance equipment performance and usability.

Analytical & Measurement

Adsorption Analyzer BET surface area and pore size characterisation	Aerosol Photometer Real-time aerosol particle count and photometry
Calorimeter Combustion and solution calorimetry systems	Colorimeter Visible-wavelength colour and absorbance analysis
Density Meter Digital oscillating U-tube liquid density	Differential Thermal Analyzer DTA for thermal event and phase transition studies
Diffractionmeter (XRD) X-ray crystallography and phase identification	Elemental Analyzer CHN and CHNS elemental composition determination
Particle Size Analyzer Laser diffraction particle size characterisation	Spectrophotometer UV-Vis single and double beam absorbance
Chromatography HPLC, GC and flash chromatography systems	Electrophoresis System Gel and capillary electrophoresis for molecular work

Clinical & Diagnostic

Automated Blood Culture System Continuous-monitoring microbial blood culture	Automated Urine Analyzer Reflectance urine strip analysis systems
Biochemistry Analyzer Semi-auto and fully automated clinical chemistry	Bilirubin Meter Transcutaneous neonatal bilirubin measurement
Blood Gas Analyzer Arterial pO ₂ , pCO ₂ and pH determination	Chemistry Analyzer Multi-parameter clinical chemistry panels
Coagulation Analyzer PT, APTT and fibrinogen haematology testing	Colony Counter Digital and manual microbiological colony counting
Cover Slipper Automated histology cover glass application	Electrolyte Analyzer Na ⁺ , K ⁺ , Cl ⁻ , Ca ₂ ⁺ ion-selective electrode analysis
ESR Analyzer Erythrocyte sedimentation rate measurement	Immunoassay Analyzer ELISA and chemiluminescence immunoassay platforms

Thermal & Temperature Control

Autoclave Bench-top and floor-standing steam sterilisation	Bath & Circulators Heated, refrigerated and ultrasonic bath systems
Chiller Recirculating chillers for equipment and reactor cooling	Dry-Block Temperature Calibrator Portable traceable temperature calibration reference
Drying Cabinet Low-temperature controlled drying systems	Laboratory Furnace Muffle and tube furnaces, high-temperature range
Laboratory Incubator Gravity, forced-air, CO ₂ and BOD incubators	Laboratory Oven Drying, sterilising and curing ovens
Laboratory Freezer ULT -86°C and standard cold-storage systems	CO₂ Generator Laboratory-grade carbon dioxide generation
Double-Layer Glass Reactor Jacketed glass synthesis and reaction vessels	Distillation Unit Atmospheric and vacuum distillation apparatus

Environmental & Air Quality

Air Generator Zero-air and compressed-air laboratory generation	Air Permeability Tester Fabric, filter and membrane air permeability testing
Air Sampler Microbial and particulate air sampling systems	Anemometer Air velocity, flow rate and direction measurement
BOD Analyzer Biological oxygen demand water quality analysis	Carbon Dioxide Transmitter Fixed CO ₂ transmitters for clean-room monitoring
Dehumidifier Industrial-grade laboratory dehumidification systems	Dew Point Meter Compressed gas and ambient moisture content analysis
Dust Monitor Real-time workplace and ambient dust concentration	Environmental Monitoring Equipment Multi-parameter environmental site monitoring
Anaerobic Jar Anaerobic microbiological culture containment	Gas Analyzers & Detectors Combustion, exhaust and ambient gas analysis systems

Separation, Preparation & Synthesis

Ball Mill Planetary and rolling-type grinding and milling	Centrifuge Micro, bench-top, refrigerated and high-speed models
Digester Kjeldahl and microwave digestion systems	Dispenser Precision automated liquid dispensing equipment
Homogenizer Rotor-stator and ultrasonic homogenisation systems	Rotary Evaporator Single and large-capacity rotary evaporation systems
Filtration System Vacuum, pressure and membrane filtration apparatus	Centrifugal Pump High-flow centrifugal liquid handling pump systems
Pipettes & Dispensers Precision single and multi-channel pipetting systems	Burette Precision volumetric dispensing glassware and systems
Microtome Rotary and sliding tissue sectioning microtome	Biosafety Cabinet Class II A2/B2 laminar flow biosafety cabinets

Petroleum & Fuel Testing

Cetane Analyzer Diesel cetane number ASTM D613 testing apparatus	Calorimeter (Bomb Type) Gross calorific value determination for fuels
Distillation Unit ASTM-compliant petroleum distillation testers	Density Meter (Petroleum) Digital density of fuels and petroleum products
Flash Point Tester Open and closed-cup flash point determination	Viscometer Kinematic and dynamic viscosity measurement systems

Support, Safety & General equipment

Analytical Balance Precision analytical and top-loading balance systems	Bench Magnifier Illuminated bench-top magnification and inspection
Blood Bag Tube Sealer RF tube sealing for blood banking and transfusion	Dental Vacuum System Wet and dry dental suction and vacuum systems
Dehumidifier Laboratory-grade industrial dehumidification	Dry-Block Calibrator Portable temperature block calibration equipment

Quality is integrated into the manufacturing framework of Fison, guiding material selection, assembly, functional testing, calibration, and final inspection before equipment is released for shipment.

The FM model designation identifies equipment designed, manufactured, tested, calibrated, and validated by Fison under a structured quality management system. Comprehensive documentation and standardized quality procedures support consistent manufacturing practices and regulatory compliance across the product lifecycle.

QA Process — Key Stages

- Raw material and component inspection against approved supplier specifications
- In-process quality verification at defined manufacturing checkpoints
- Functional performance testing prior to final release
- Calibration verification using internationally traceable reference standards
- Comprehensive documentation, including certificates of conformity, test records, and calibration data
- IQ/OQ/PQ validation documentation available for regulated laboratory environments



Research & Development

- In-house equipment design, engineering, and product development
- Electronics, firmware, and control software development
- Advanced sensor integration and signal processing
- Prototype development, laboratory evaluation, and design verification
- Continuous research focused on advances in laboratory technologies and materials

Manufacturing Standards

- Controlled production environment for critical component assembly
- CNC machining and fabrication of mechanical assemblies
- Cleanroom-compatible assembly processes for clinical and life science equipment
- Flexible manufacturing capacity for individual and high-volume production
- Full component and assembly traceability through documented production records
- End-of-line functional testing and calibration prior to shipment

Fison equipment support a broad range of laboratory, clinical, industrial, and research environments. The product portfolio is designed to meet the operational requirements of life sciences, pharmaceuticals, environmental testing, food analysis, petrochemical laboratories, healthcare, academia, and industrial quality control, enabling organizations to source equipment across multiple application areas from a single manufacturing partner.

Hospital & Clinical Diagnostics
Biochemistry, haematology, coagulation and diagnostic analysers

Academic Research Institutes
Analytical, thermal and separation equipment for fundamental research

Pharmaceutical Manufacturing
Process and QC equipment for regulated drug production environments

Petroleum & Energy Industry
Cetane, flash point, distillation and viscosity testing equipment

Environmental & Water Testing
Air quality, gas analysis, BOD and environmental monitoring systems

Food Safety & Beverage QC
Moisture, elemental, chromatography and microbiology QC equipment

Life Sciences & Biotechnology
PCR, electrophoresis, centrifuges and cell biology equipment

Industrial Quality Control
Particle analysis, density, thermal and materials testing equipment

Dental & Medical Device Labs
Dental vacuum, tube sealers, sterilisation and diagnostic equipment

Fison supplies laboratory equipment to research institutions, healthcare facilities, industrial laboratories, and quality control organizations across international markets. A structured export process supports timely deliveries with complete certification, technical documentation, and customs documentation where required.

Technical support extends throughout the equipment lifecycle, from application guidance and equipment selection to installation assistance and ongoing technical support, helping laboratories maintain operational continuity.

Service Commitments

- Pre-sales technical consultation and application-specific equipment selection
- Competitive pricing with online quotation requests
- Global export supported by customs and certification documentation
- Technical support via email and WhatsApp
- Spare parts and consumables for continued equipment operation
- Installation, commissioning, and operator guidance
- IQ/OQ/PQ documentation available for regulated laboratory environments

150+ FM-Series Product Lines	30+ Equipment Categories	UK Manufactured & Exported
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Six reasons laboratories choose Fison Instruments

Engineering Accountability

The FM designation identifies equipment designed, manufactured, tested, and validated by Fison, providing complete manufacturing traceability and accountability.

Comprehensive Product Portfolio

With more than 150 product lines across 30+ categories, Fison supports laboratory procurement across multiple disciplines through a single manufacturing partner.

Manufacturing Excellence

Engineered for demanding laboratory, clinical, and industrial environments using structured manufacturing processes and internationally recognized quality standards.

Specialized Product Range

The portfolio spans routine laboratory equipment and advanced analytical technologies, supporting applications in research, pharmaceuticals, petrochemicals, environmental testing, healthcare, and industrial quality control.

Responsive Technical Support

Application guidance, technical assistance, and after-sales support are available throughout the equipment lifecycle to help laboratories maintain operational continuity.

Transparent Procurement Experience

Detailed technical specifications, competitive pricing, online quotation requests, and comprehensive documentation support efficient purchasing and qualification processes.



Contact Us:

Address: 272 Bath Street, Glasgow, G2 4JR, UK

Email: info@fison.com

Website: www.fison.com