

Spectrometers And Spectrophoto/Fluorometers: Market Research Report

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Abstracts

This report analyzes the worldwide markets for Spectrometers and Spectrophoto/Fluorometers in Millions of US\$ by the following major Product Segments: Molecular Spectroscopy (UV-Vis Spectrophotometers, Raman Spectrometers, Nuclear Magnetic Resonance (NMR) Spectrometers, Near Infrared (NIR) Spectrometers, FTIR Spectrometers, and Others), Atomic Spectroscopy (Ark/Spark Spectrometers, Plasma Spectrometers (ICP, ICP-MS), Atomic Absorption Spectrometers, and Others), Hyphenated Spectrometry (LC-MS, & GC-MS), Mass Spectrometry, Fluorescence Spectrometers, and Accessories.

The report provides separate comprehensive analytics for the US, Canada, Japan, Europe, Asia-Pacific, Latin America, and Rest of World.

Annual estimates and forecasts are provided for the period 2009 through 2017.

Also, a six-year historic analysis is provided for these markets.

The report profiles 122 companies including many key and niche players such as AB SCIEX, Agilent Technologies, Inc., Bruker Daltonics, Inc., Digilab, Inc., Extrel CMS, FOSS NIRSystems, Inc., Hitachi High-Technologies Corp., JEOL, Ltd., Ocean Optics, Inc., PerkinElmer, Inc., Rigaku Corporation, Shimadzu Corporation, Spectris Plc, Stellar Net, Inc., Thermo Fisher Scientific, Inc., and Waters Corporation.

Market data and analytics are derived from primary and secondary research.

Company profiles are primarily based upon search engine sources in the public domain.

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Compact Fiber-Coupled Spectrometer Developed by Ocean Optics
Nist Debuts a New X-Ray Crystal Diffraction Spectrometer
New Virus Detection System Based on Mass Spectrometry
MIMS for the Detection of Volatile and Semivolatile Organic Compounds
Time-Resolved Solid-State Nuclear Magnetic Resonance Spectroscopy
ISP-9400: An Imaging Spectrophotometer
Ultraviolet Spectrometer to Provide Real-Time Spectrum of Samples
Portable Laser Spark Analyzer to Detect Toxic Metals
Tunable Solid-State Lasers in Spectroscopic Instrumentation
Handy-Spec Spectrophotometer to Control Color Quality
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Thermo Fisher Scientific Launches Exactive™ Plus System
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Thermo Fisher Scientific Launches Nicolet iS50 FT-IR Spectrometer
Rigaku Unveils Xantus-2
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Bruker Unveils AVANCE III HD NMR Spectrometer
BaySpec Unveils High Resolution RamSpec-HR Spectrometer
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StellarNet Launches DWARF-Star NIR Spectrometer
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Thermo Fisher Scientific Introduces Mass Spectrometry Instruments
Water Rolls Out SYNAPT® G2-S High-Definition Mass Spectrometer
Waters Unveils Xevo® TQD Tandem Quadrupole Mass Detector
StellarNet Unveils BLACK-Comet-HR
BaySpec Launches SuperGamut™ NIR Spectrometer
BaySpec Introduces SuperGamut™ L-Series Spectrometers
Bio-Rad Laboratories Upgrades Version 9.0 of KnowItAll® Software
Bruker Launches amaZon Speed™ and amaZon Speed™ ETD ITMS
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Ocean Optics Unveils USB-TC Compact Heating Device
Ocean Optics Introduces Overture Spectrometer Operating Platform
Ocean Optics Launches Torus Spectrometer
PerkinElmer Introduces Clarus® SQ 8 GC/MS
Shimadzu Unveils UV-2600 and UV-2700 Middle Range UV-VIS Spectrophotometers
Digilab Introduces Identity Raman Plate Reader
Thermo Fisher Scientific Introduces Thermo Scientific Lumina
CRIAC Technologies Launches QDI 302 Microscope Spectrophotometer
X-Rite Introduces MA94, MA96 and MA98 Spectrophotometers

ORTEC® Products Group Launches Alpha Suite Line of Spectrometers
Bruker Daltonics Expands amaZon™ Product Line
EDAX Introduces The Orbis Micro-XRF Spectrometer
Sequenom Unveils New MassARRAY® Analyzer 4
Thermo Fisher Scientific Introduces Advanced Raman Platform
Agilent Introduces The Agilent 6150B Series LC/MS
Thermo Fisher Launches Evolution™ Array™ UV-Vis Spectrophotometer
SPECTRO Introduces SPECTRO MS
Bruker Introduces the New Q2 ION Spectrometer
Bruker AXS Introduces S2 RANGER EDXRF Spectrometer with Enhancements
Barbieri Electronic Introduces Spectro LFP Tex
Hiden Analytical Launches Transient MS System
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Hiden Analytical Launches HPR-40 Mass Spectrometer
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Hitachi High-Technologies Introduces U-5100 Ratio Beam Spectrophotometer
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TSI Introduces 3340 Laser Aerosol Spectrometer
Hach Launches DR 3800 Benchtop Spectrophotometer
Thermo Fisher Scientific Launched Thermo Scientific NanoDrop 2000c
JEOL Launches AccuTOF-GCv
Bruker Daltonics Unveils solariX™
Bruker Daltonics Rolls Out ultrafleXtreme™ MALDI-TOF/TOF Mass Spectrometer
MDS Analytical Technologies and Applied Biosystems Launch AB SCIEX TOF/TOF(TM) 5800 System
PerkinElmer Rolls Out Aanalyst™ 50 Atomic Absorption Spectrometer
Waters Unveils Waters® Xevo™ Spectrometer
Picarro to Introduce Picarro Combustion Module- Cavity Ring-Down Spectrometer
Cole-Parmer Launches I-lab Spectrometer
Agilent Technologies Launches 7000B Triple Quadrupole Gas Chromatograph/Mass Spectrometer
Thermo Fisher Scientific Unveils Thermo Scientific Escalab 250Xi

Shimadzu Scientific Instruments Launches AXIMA Resonance™ MALDI QIT TOF
Thermo Fisher Scientific Unveils Thermo Scientific LTQ Orbitrap Velos and LTQ Velos Mass Spectrometers
Waters Unveils Waters SYNAPT G2 System, High-Performance Mass Spectrometer
PerkinElmer Launches Spectrum 100 Series FT-IR Spectrometers
Thermo Fisher Scientific Unveils Revolutionary Technologies and Products
Varian Unveils 225-MS Ion Trap Mass Spectrometer
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Konica Minolta Unveils CM-5 Spectrophotometer
JEOL Rolls Out JMS-T100GCV Mass Spectrometer
Shimadzu Unveils AA-7000 Series Atomic Absorption Spectrophotometer
Shimadzu Scientific Instrument Introduces BioSpec-nano Spectrophotometer
Hiden Analytical Unveils Quadrupole Mass Spectrometers Series
Photonics and Analytical Marketing Introduces Microptix I-Lab
Astranet Systems Rolls out Astragene
HiperScan Introduces SGS1900 Spectrometer
Hamamatsu Photonics Rolls Out C10988MA Mini-Spectrometer
Scitech Unveils ReporteR Spectrometer
Bruker Introduces New Analytical and Scientific Solutions and Products
DeltaNu Unveils Advantage 1064 Raman Spectrometer
JASCO Unveils NRS-3000 Series of Spectrometers
ABB Unveils New MB3000-PH FT-IR Spectrometer
Xenometrix Introduces EX-6600 Energy Dispersive X-Ray Fluorescence Spectrometer
Xenometrix Launches EX-3600M TEC Spectrometer
Extrel Introduces MAX-LT Series of Mass Spectrometer
Varian Unveils 920-MS Triple Quadrupole Fourier Transform Mass Spectrometer
Agilent Technologies Unveils Agilent 6230 Spectrometer
MDS Analytical Technologies and Applied Biosystems Roll Out Advanced Mass Spectrometers
Agilent Technologies Unveils Updated Triple Quadrupole LC/MS, Triple Quadrupole GC/MS
Agilent Technologies Rolls Out Agilent 6530 Accurate-Mass Q-TOF LC/MS System
Bruker Daltonics Launches micrOTOF II API-TOF Mass Spectrometer and New GC-APCI Interface
PerkinElmer Unveils IdentiCheck™ Mass Spectrometer
PerkinElmer Life and Analytical Sciences Unveils LAMBDATM XLS and LAMBDATM Bio
Varian Unveils New Ion Trap 200-MS Series of Mass Spectrometers
Varian Unveils 600-IR Series of Fourier Transform Infrared Imaging Solutions,

Microscopes and Spectrometers

Bruker Daltonics Rolls Out Advanced micr OTOFTM-Q II Qq-TOF Mass Spectrometer

Thermo Fisher Unveils Nicolet iS10 FT-IR Spectrometer

Thermo Fisher Scientific Rolls Out MagnaRay Spectrometer

Thermo Fisher Scientific Unveils ARL OPTIMX Spectrometer

Thermo Fisher Scientific Introduces DXR SmartRaman Spectrometer

Thermo Fisher Scientific Unveils Nicolet™ NXR FT- Raman Spectrometers

PerkinElmer Life and Analytical Sciences Unveils Spectrum 100 Optica Spectrometer

A2 Technologies Launches PAL series of FT-IR Spectrometers

Thermo Fisher Scientific Upgrades LTQ Orbitrap® Line of Mass Spectrometers

PerkinElmer Life and Analytical Sciences Introduces Optima™ 7000 Series of Spectrometers

PerkinElmer Introduces Spectrum™ 400 FT-IR/FT-FIR Spectrometer

Agilent Launches New 7000 Series of Spectrophotometer

Shimadzu Introduces LCMS-2020 Mass Spectrometer

Hitachi Unveils U-3900H and U-3900 Spectrophotometer

Shimadzu Scientific Instruments Unveils UV-1800 Spectrophotometer

PerkinElmer India Introduces Raman Station 400 Spectrophotometer

Edmund Optics Unveils UV-to-Near-IR Spectrometers

Rigaku Americas Rolls Out Supermini Benchtop WD-XRF Spectrometer

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Ocean Optics Forms Partnership with Tornado Medical Systems

Protea Biosciences and Waters Enter into Co- Marketing Agreement

Rigaku Americas Takes Over Raman Products and Technology of BaySpec

Bruker Takes Over Center for Tribology

Bruker Takes Over Michrom Bioresources

AB SCIEX Takes Over Mass Spectrometry Division of Labindia Instruments

INCJ and JEOL Establish New Joint Venture Firm for NMR Spectroscopy

Shimadzu Inks Research Agreement with Shimane University

AB SCIEX Signs Agreement with GE Healthcare Life Sciences

National University of Singapore Selects Agilent 600-MHz NMR Spectrometer and 7-T MRI System

Agilent Commences Development of New Ultra- High-Field NMR Spectrometers

Agilent Signs Co-Marketing Agreement with Bridge 12 Technologies

IIT Madras Selects VeraSpec LEIS System of Extrel CMS

Thermo Fisher Acquires Ahura Scientific

Agilent Takes Over Varian

Sea-Bird Takes Over WET Labs
Gilson Enters into Partnership with PerkinElmer
Petroleomics Laboratory Buys Mass Spectrometer from Thermo Fisher Scientific
Agilent Technologies and Duquesne University Establishes Center of Excellence for Mass Spectrometry
bioMerieux Purchases Assets from AnagnosTec
Bruker Corporation Eyes Varian's Mass Spectrometry Product Line
PerkinElmer to Acquire Joint Venture Assets from Danaher Corporation
Halma Takes Over SphereOptics
Danaher Acquires Mass Spectrometry Division of Life Technologies Corporation

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Promega Corporation Takes Over Turner BioSystems
National Cancer Institute Selects UPLC/MS Systems from Waters
PerkinElmer Purchases Analytica of Branford
Bio-Rad Laboratories Enters into Partnership Agreement with Bruker
Agilent Technologies Signs Cooperative Research and Development Agreement with NERL of the US EPA
Owlstone Nanotech Inks Agreement with Agilent Technologies
Bruker Daltonics Receives Contract from National Police Agency of Japan
Bruker Daltonics Inks Partnership Agreement with Synlab
Bruker Daltonics Inks Agreement with Limbach Laboratory Network Group
Bruker BioSpin Acquires PERCH Solutions
Phytronix Technologies Inks a Co-Marketing Agreement with Agilent Technologies
BioTrove Enters into Agreement with Cisbio Bioassays
Extrel CMS Receives ATEX Approval for MAX300-IGX Process Mass Spectrometer
Agilent Technologies Enters into Agreement with BioTrove
Thermo Fisher Scientific Enters into Agreement with Genedata
BioTrove Enters into Agreement with Becton, Dickinson
Thermo Fisher Scientific Purchases NanoDrop Technologies
Ameritox Selects Thermo Scientific TSQ Quantum Access™ Spectrometer
Bioanalytical Services Unit of Warnex Selects Thermo Fisher Scientific's Spectrometers
Ametek Buys Cameca
Intertek Purchases Bioclin Research Laboratories
BIOCRATES Life Sciences and Applied Biosystems Ink Marketing Agreement
M.u.t. Purchases Majority Interest in Avantes Holding

Thermo Fisher Scientific Acquires Chemito Technologies' Two Divisions
Invitrogen Merges with Applied Biosystems
Sequenom Bags Exclusive License from Genomic Nanosystems
Advion BioSystems and Bruker Daltonik Enter into Agreement
Implant Sciences Acquires Ion Metrics

9.FOCUS ON SELECT GLOBAL PLAYERS

AB SCIEX (US)

Agilent Technologies, Inc. (US)
Bruker Daltonics, Inc. (US)
Digilab, Inc. (US)
Extrel CMS LLC (US)
FOSS NIRSystems, Inc. (US)
Hitachi High-Technologies Corp. (Japan)
JEOL Ltd. (Japan)
Ocean Optics, Inc. (US)
PerkinElmer, Inc. (US)
Rigaku Corporation (Japan)
Shimadzu Corporation (Japan)
Spectris plc (UK)
Stellar Net, Inc. (US)
Thermo Fisher Scientific Inc. (US)
Waters Corporation (US)

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7.REST OF WORLD

Market Analysis

Table 110. Rest of World Recent Past, Current & Future Analysis for Spectrometers and Spectrophoto/ Fluorometers by Product Segment for Molecular Spectroscopy (UV-Vis Spectrophotometers, Raman Spectrometers, Nuclear Magnetic Resonance (NMR) Spectrometers, Near Infrared (NIR) Spectrometer, FTIR Spectrometers, and Others); Atomic Spectroscopy (Ark/Spark Spectrometers, Plasma Spectrometers (ICP, ICP-MS), Atomic Absorption Spectrometers, and Others); Hyphenated Spectrometry (LC-MS, GC-MS); Mass Spectrometry; Fluorescence Spectrometers; and Accessories Markets Independently Analyzed with Annual Sales Figures in US\$ Million for Years 2010

through 2018 (includes corresponding Graph/Chart)

Table 111. Rest of World Historic Review for Spectrometers and Spectrophoto/Fluorometers by Product Segment – Molecular Spectroscopy (UV-Vis Spectrophotometers, Raman Spectrometers, Nuclear Magnetic Resonance (NMR) Spectrometers, Near Infrared (NIR) Spectrometer, FTIR Spectrometers, and Others); Atomic Spectroscopy (Ark/Spark Spectrometers, Plasma Spectrometers (ICP, ICP-MS), Atomic Absorption Spectrometers, and Others); Hyphenated Spectrometry (LC-MS, GC-MS); Mass Spectrometry; Fluorescence Spectrometers; and Accessories Markets Independently Analyzed with Annual Sales Figures in US\$ Million for Years 2004 through 2009 (includes corresponding Graph/Chart)

Table 112. Rest of World 15-Year Perspective for Spectrometers and Spectrophoto/Fluorometers by Product Segment – Percentage Breakdown of Dollar Sales for Molecular Spectroscopy (UV-Vis Spectrophotometers, Raman Spectrometers, Nuclear Magnetic Resonance (NMR) Spectrometers, Near Infrared (NIR) Spectrometer, FTIR Spectrometers, and Others); Atomic Spectroscopy (Ark/Spark Spectrometers, Plasma Spectrometers (ICP, ICP-MS), Atomic Absorption Spectrometers, and Others); Hyphenated Spectrometry (LC-MS, GC-MS); Mass Spectrometry; Fluorescence Spectrometers; and Accessories Markets for 2004, 2011 & 2018 (includes corresponding Graph/Chart)

IV. COMPETITIVE LANDSCAPE

Total Companies Profiled: 122 (including Divisions/Subsidiaries - 150)

The United States (89)

Canada (4)

Japan (10)

Europe (39)

- France (3)

- Germany (12)

- The United Kingdom (18)

- Italy (1)

- Spain (1)

- Rest of Europe (4)

Asia-Pacific (Excluding Japan) (8)

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