

# Spectroscopy Equipment and Accessories: Market Research Report

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## Abstracts

This report analyzes the worldwide markets for Spectroscopy Equipment and Accessories in US\$ Thousand by the following Product Segments: Molecular Spectroscopy (UV-Vis Spectrophotometers, Raman Spectrometers, NMR-EPR Spectrometers, Near Infrared (NIR) Spectrometers, IR Spectrometers, Color Measurement, & Other Molecular Spectrometers), Atomic Spectroscopy (Ark/Spark Spectrometers, Plasma Spectrometers, Atomic Absorption Spectrometers, XRD/XRF Spectrometers, & Other Atomic Spectrometers), Mass Spectrometry (LC-MS, GC-MS, MALDI-TOF, & Other Mass 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 2015 through 2022.

Also, a six-year historic analysis is provided for these markets. Market data and analytics are derived from primary and secondary research.

Company profiles are primarily based on public domain information including company URLs.

The report profiles 117 companies including many key and niche players such as -

AB Sciex LLC

Agilent Technologies, Inc.

Bruker Corporation

Digilab, Inc.

Extrel CMS LLC

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Agilent Technologies, Inc. (US)  
Bruker Corporation (US)  
Digilab, Inc. (US)  
Extrel CMS LLC (US)  
Hitachi High-Technologies Corporation (Japan)  
JEOL Ltd. (Japan)  
Metrohm AG (Switzerland)  
Ocean Optics, Inc. (US)  
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Rigaku Corporation (Japan)  
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**Table 78.** US Recent Past, Current & Future Analysis for Spectroscopy Equipment and Accessories by Product Segment - Molecular Spectroscopy (UV-Vis Spectrophotometers, Raman Spectrometers, NMR-EPR Spectrometers, Near Infrared (NIR) Spectrometers, IR Spectrometers, Color Measurement Spectrometers, and Other Molecular Spectrometers); Atomic Spectroscopy (Ark/Spark Spectrometers, Plasma Spectrometers (ICP, ICP-MS), Atomic Absorption Spectrometers, XRD/XRF Spectrometers, and Other Atomic Spectrometers); Mass Spectrometry (LC-MS, GC-MS, MALDI-TOF and Other Mass Spectrometers); and Accessories Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2015 through 2022 (includes corresponding Graph/Chart)

**Table 79.** US Historic Review for Spectroscopy Equipment and Accessories by Product Segment - Molecular Spectroscopy (UV-Vis Spectrophotometers, Raman Spectrometers, NMR-EPR Spectrometers, Near Infrared (NIR) Spectrometers, IR Spectrometers, Color Measurement Spectrometers, and Other Molecular Spectrometers); Atomic Spectroscopy (Ark/Spark Spectrometers, Plasma Spectrometers (ICP, ICP-MS), Atomic Absorption Spectrometers, XRD/XRF Spectrometers, and Other Atomic Spectrometers); Mass Spectrometry (LC-MS, GC-MS, MALDI-TOF and Other Mass Spectrometers); and Accessories Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2009 through 2014 (includes corresponding Graph/Chart)

**Table 80.** US 14-Year Perspective for Spectroscopy Equipment and Accessories by Product Segment - Percentage Breakdown of Dollar Sales for Molecular Spectroscopy (UV-Vis Spectrophotometers, Raman Spectrometers, NMR-EPR Spectrometers, Near Infrared (NIR) Spectrometers, IR Spectrometers, Color Measurement Spectrometers, and Other Molecular Spectrometers); Atomic Spectroscopy (Ark/Spark Spectrometers, Plasma Spectrometers (ICP, ICP-MS), Atomic Absorption Spectrometers, XRD/XRF Spectrometers, and Other Atomic Spectrometers); Mass Spectrometry (LC-MS, GC-MS, MALDI-TOF and Other Mass Spectrometers); and Accessories Markets for Years 2009, 2016 & 2022 (includes corresponding Graph/Chart)

## 2. CANADA

### A. Market Analysis Current and Future Analysis

## Trade Statistics

**Table 81.** Canadian Exports of Spectrometers, Spectrophotometers and Spectrographs (2015): Percentage Breakdown of Export Value by Destination (includes corresponding Graph/Chart)

**Table 82.** Canadian Imports of Spectrometers, Spectrophotometers and Spectrographs (2015): Percentage Share Breakdown of Import Value by Country of Origin (includes corresponding Graph/Chart)

## B. Market Analytics

**Table 83.** Canadian Recent Past, Current & Future Analysis for Spectroscopy Equipment and Accessories by Product Segment - Molecular Spectroscopy (UV-Vis Spectrophotometers, Raman Spectrometers, NMR-EPR Spectrometers, Near Infrared (NIR) Spectrometers, IR Spectrometers, Color Measurement Spectrometers, and Other Molecular Spectrometers); Atomic Spectroscopy (Ark/Spark Spectrometers, Plasma Spectrometers (ICP, ICP-MS), Atomic Absorption Spectrometers, XRD/XRF Spectrometers, and Other Atomic Spectrometers); Mass Spectrometry (LC-MS, GC-MS, MALDI-TOF and Other Mass Spectrometers); and Accessories Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2015 through 2022 (includes corresponding Graph/Chart)

**Table 84.** Canadian Historic Review for Spectroscopy Equipment and Accessories by Product Segment - Molecular Spectroscopy (UV-Vis Spectrophotometers, Raman Spectrometers, NMR-EPR Spectrometers, Near Infrared (NIR) Spectrometers, IR Spectrometers, Color Measurement Spectrometers, and Other Molecular Spectrometers); Atomic Spectroscopy (Ark/Spark Spectrometers, Plasma Spectrometers (ICP, ICP-MS), Atomic Absorption Spectrometers, XRD/XRF Spectrometers, and Other Atomic Spectrometers); Mass Spectrometry (LC-MS, GC-MS, MALDI-TOF and Other Mass Spectrometers); and Accessories Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2009 through 2014 (includes corresponding Graph/Chart)

**Table 85.** Canadian 14-Year Perspective for Spectroscopy Equipment and Accessories by Product Segment - Percentage Breakdown of Dollar Sales for Molecular Spectroscopy (UV-Vis Spectrophotometers, Raman Spectrometers, NMR-EPR

Spectrometers, Near Infrared (NIR) Spectrometers, IR Spectrometers, Color Measurement Spectrometers, and Other Molecular Spectrometers); Atomic Spectroscopy (Ark/Spark Spectrometers, Plasma Spectrometers (ICP, ICP-MS), Atomic Absorption Spectrometers, XRD/ XRF Spectrometers, and Other Atomic Spectrometers); Mass Spectrometry (LC-MS, GC-MS, MALDI-TOF and Other Mass Spectrometers); and Accessories Markets for Years 2009, 2016 & 2022 (includes corresponding Graph/Chart)

### 3. JAPAN

#### A. Market Analysis

Current and Future Analysis

Product Launches

Select Players

#### B. Market Analytics

**Table 86.** Japanese Recent Past, Current & Future Analysis for Spectroscopy Equipment and Accessories by Product Segment - Molecular Spectroscopy (UV-Vis Spectrophotometers, Raman Spectrometers, NMR-EPR Spectrometers, Near Infrared (NIR) Spectrometers, IR Spectrometers, Color Measurement Spectrometers, and Other Molecular Spectrometers); Atomic Spectroscopy (Ark/Spark Spectrometers, Plasma Spectrometers (ICP, ICP-MS), Atomic Absorption Spectrometers, XRD/XRF Spectrometers, and Other Atomic Spectrometers); Mass Spectrometry (LC-MS, GC-MS, MALDI-TOF and Other Mass Spectrometers); and Accessories Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2015 through 2022 (includes corresponding Graph/Chart)

**Table 87.** Japanese Historic Review for Spectroscopy Equipment and Accessories by Product Segment - Molecular Spectroscopy (UV-Vis Spectrophotometers, Raman Spectrometers, NMR-EPR Spectrometers, Near Infrared (NIR) Spectrometers, IR Spectrometers, Color Measurement Spectrometers, and Other Molecular Spectrometers); Atomic Spectroscopy (Ark/Spark Spectrometers, Plasma Spectrometers (ICP, ICP-MS), Atomic Absorption Spectrometers, XRD/XRF Spectrometers, and Other Atomic Spectrometers); Mass Spectrometry (LC-MS, GC-MS, MALDI-TOF and Other Mass Spectrometers); and Accessories Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2009 through 2014 (includes corresponding Graph/Chart)

**Table 88.** Japanese 14-Year Perspective for Spectroscopy Equipment and Accessories by Product Segment - Percentage Breakdown of Dollar Sales for Molecular Spectroscopy (UV-Vis Spectrophotometers, Raman Spectrometers, NMR-EPR Spectrometers, Near Infrared (NIR) Spectrometers, IR Spectrometers, Color Measurement Spectrometers, and Other Molecular Spectrometers); Atomic Spectroscopy (Ark/Spark Spectrometers, Plasma Spectrometers (ICP, ICP-MS), Atomic Absorption Spectrometers, XRD/XRF Spectrometers, and Other Atomic Spectrometers); Mass Spectrometry (LC-MS, GC-MS, MALDI-TOF and Other Mass Spectrometers); and Accessories Markets for Years 2009, 2016 & 2022 (includes corresponding Graph/Chart)

#### 4. EUROPE

##### A. Market Analysis

##### Current and Future Analysis

##### Product Launch

##### B. Market Analytics

**Table 89.** European Recent Past, Current & Future Analysis for Spectroscopy Equipment and Accessories by Geographic Region - France, Germany, Italy, UK, Spain, Russia and Rest of Europe Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2015 through 2022 (includes corresponding Graph/Chart)

**Table 90.** European Historic Review for Spectroscopy Equipment and Accessories by Geographic Region - France, Germany, Italy, UK, Spain, Russia and Rest of Europe Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2009 through 2014 (includes corresponding Graph/Chart)

**Table 91.** European 14-Year Perspective for Spectroscopy Equipment and Accessories by Geographic Region - Percentage Breakdown of Dollar Sales for France, Germany, Italy, UK, Spain, Russia and Rest of Europe Markets for Years 2009, 2016 & 2022 (includes corresponding Graph/Chart)

**Table 92.** European Recent Past, Current & Future Analysis for Spectroscopy Equipment and Accessories by Product Segment - Molecular Spectroscopy (UV-Vis Spectrophotometers, Raman Spectrometers, NMR-EPR Spectrometers, Near Infrared (NIR) Spectrometers, IR Spectrometers, Color Measurement Spectrometers, and Other



Molecular Spectrometers); Atomic Spectroscopy (Ark/Spark Spectrometers, Plasma Spectrometers (ICP, ICP-MS), Atomic Absorption Spectrometers, XRD/XRF Spectrometers, and Other Atomic Spectrometers); Mass Spectrometry (LC-MS, GC-MS, MALDI-TOF and Other Mass Spectrometers); and Accessories Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2015 through 2022 (includes corresponding Graph/Chart)

**Table 93.** European Historic Review for Spectroscopy Equipment and Accessories by Product Segment - Molecular Spectroscopy (UV-Vis Spectrophotometers, Raman Spectrometers, NMR-EPR Spectrometers, Near Infrared (NIR) Spectrometers, IR Spectrometers, Color Measurement Spectrometers, and Other Molecular Spectrometers); Atomic Spectroscopy (Ark/Spark Spectrometers, Plasma Spectrometers (ICP, ICP-MS), Atomic Absorption Spectrometers, XRD/XRF Spectrometers, and Other Atomic Spectrometers); Mass Spectrometry (LC-MS, GC-MS, MALDI-TOF and Other Mass Spectrometers); and Accessories Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2009 through 2014 (includes corresponding Graph/Chart)

**Table 94.** European 14-Year Perspective for Spectroscopy Equipment and Accessories by Product Segment - Percentage Breakdown of Dollar Sales for Molecular Spectroscopy (UV-Vis Spectrophotometers, Raman Spectrometers, NMR-EPR Spectrometers, Near Infrared (NIR) Spectrometers, IR Spectrometers, Color Measurement Spectrometers, and Other Molecular Spectrometers); Atomic Spectroscopy (Ark/Spark Spectrometers, Plasma Spectrometers (ICP, ICP-MS), Atomic Absorption Spectrometers, XRD/XRF Spectrometers, and Other Atomic Spectrometers); Mass Spectrometry (LC-MS, GC-MS, MALDI-TOF and Other Mass Spectrometers); and Accessories Markets for Years 2009, 2016 & 2022 (includes corresponding Graph/Chart)

#### **4A. FRANCE**

##### **A. Market Analysis**

Current and Future Analysis

Product Launch

##### **B. Market Analytics**

**Table 95.** French Recent Past, Current & Future Analysis for Spectroscopy Equipment and Accessories by Product Segment - Molecular Spectroscopy (UV-Vis



Spectrophotometers, Raman Spectrometers, NMR-EPR Spectrometers, Near Infrared (NIR) Spectrometers, IR Spectrometers, Color Measurement Spectrometers, and Other Molecular Spectrometers); Atomic Spectroscopy (Ark/Spark Spectrometers, Plasma Spectrometers (ICP, ICP-MS), Atomic Absorption Spectrometers, XRD/XRF Spectrometers, and Other Atomic Spectrometers); Mass Spectrometry (LC-MS, GC-MS, MALDI-TOF and Other Mass Spectrometers); and Accessories Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2015 through 2022 (includes corresponding Graph/Chart)

**Table 96.** French Historic Review for Spectroscopy Equipment and Accessories by Product Segment - Molecular Spectroscopy (UV-Vis Spectrophotometers, Raman Spectrometers, NMR-EPR Spectrometers, Near Infrared (NIR) Spectrometers, IR Spectrometers, Color Measurement Spectrometers, and Other Molecular Spectrometers); Atomic Spectroscopy (Ark/Spark Spectrometers, Plasma Spectrometers (ICP, ICP-MS), Atomic Absorption Spectrometers, XRD/XRF Spectrometers, and Other Atomic Spectrometers); Mass Spectrometry (LC-MS, GC-MS, MALDI-TOF and Other Mass Spectrometers); and Accessories Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2009 through 2014 (includes corresponding Graph/Chart)

**Table 97.** French 14-Year Perspective for Spectroscopy Equipment and Accessories by Product Segment - Percentage Breakdown of Dollar Sales for Molecular Spectroscopy (UV-Vis Spectrophotometers, Raman Spectrometers, NMR-EPR Spectrometers, Near Infrared (NIR) Spectrometers, IR Spectrometers, Color Measurement Spectrometers, and Other Molecular Spectrometers); Atomic Spectroscopy (Ark/Spark Spectrometers, Plasma Spectrometers (ICP, ICP-MS), Atomic Absorption Spectrometers, XRD/XRF Spectrometers, and Other Atomic Spectrometers); Mass Spectrometry (LC-MS, GC-MS, MALDI-TOF and Other Mass Spectrometers); and Accessories Markets for Years 2009, 2016 & 2022 (includes corresponding Graph/Chart)

## **4B. GERMANY**

### **A. Market Analysis**

Current and Future Analysis

Analytical Instruments Market

Product Launches

### **B. Market Analytics**

**Table 98.** German Recent Past, Current & Future Analysis for Spectroscopy Equipment and Accessories by Product Segment - Molecular Spectroscopy (UV-Vis Spectrophotometers, Raman Spectrometers, NMR-EPR Spectrometers, Near Infrared (NIR) Spectrometers, IR Spectrometers, Color Measurement Spectrometers, and Other Molecular Spectrometers); Atomic Spectroscopy (Ark/Spark Spectrometers, Plasma Spectrometers (ICP, ICP-MS), Atomic Absorption Spectrometers, XRD/XRF Spectrometers, and Other Atomic Spectrometers); Mass Spectrometry (LC-MS, GC-MS, MALDI-TOF and Other Mass Spectrometers); and Accessories Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2015 through 2022 (includes corresponding Graph/Chart)

**Table 99.** German Historic Review for Spectroscopy Equipment and Accessories by Product Segment - Molecular Spectroscopy (UV-Vis Spectrophotometers, Raman Spectrometers, NMR-EPR Spectrometers, Near Infrared (NIR) Spectrometers, IR Spectrometers, Color Measurement Spectrometers, and Other Molecular Spectrometers); Atomic Spectroscopy (Ark/Spark Spectrometers, Plasma Spectrometers (ICP, ICP-MS), Atomic Absorption Spectrometers, XRD/XRF Spectrometers, and Other Atomic Spectrometers); Mass Spectrometry (LC-MS, GC-MS, MALDI-TOF and Other Mass Spectrometers); and Accessories Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2009 through 2014 (includes corresponding Graph/Chart)

**Table 100.** German 14-Year Perspective for Spectroscopy Equipment and Accessories by Product Segment - Percentage Breakdown of Dollar Sales for Molecular Spectroscopy (UV-Vis Spectrophotometers, Raman Spectrometers, NMR-EPR Spectrometers, Near Infrared (NIR) Spectrometers, IR Spectrometers, Color Measurement Spectrometers, and Other Molecular Spectrometers); Atomic Spectroscopy (Ark/Spark Spectrometers, Plasma Spectrometers (ICP, ICP-MS), Atomic Absorption Spectrometers, XRD/XRF Spectrometers, and Other Atomic Spectrometers); Mass Spectrometry (LC-MS, GC-MS, MALDI-TOF and Other Mass Spectrometers); and Accessories Markets for Years 2009, 2016 & 2022 (includes corresponding Graph/Chart)

## 4C. ITALY

### A. Market Analysis

#### Current and Future Analysis

#### Analytical Instruments Market

### B. Market Analytics

**Table 101.** Italian Recent Past, Current & Future Analysis for Spectroscopy Equipment and Accessories by Product Segment - Molecular Spectroscopy (UV-Vis Spectrophotometers, Raman Spectrometers, NMR-EPR Spectrometers, Near Infrared (NIR) Spectrometers, IR Spectrometers, Color Measurement Spectrometers, and Other Molecular Spectrometers); Atomic Spectroscopy (Ark/Spark Spectrometers, Plasma Spectrometers (ICP, ICP-MS), Atomic Absorption Spectrometers, XRD/XRF Spectrometers, and Other Atomic Spectrometers); Mass Spectrometry (LC-MS, GC-MS, MALDI-TOF and Other Mass Spectrometers); and Accessories Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2015 through 2022 (includes corresponding Graph/Chart)

**Table 102.** Italian Historic Review for Spectroscopy Equipment and Accessories by Product Segment - Molecular Spectroscopy (UV-Vis Spectrophotometers, Raman Spectrometers, NMR-EPR Spectrometers, Near Infrared (NIR) Spectrometers, IR Spectrometers, Color Measurement Spectrometers, and Other Molecular Spectrometers); Atomic Spectroscopy (Ark/Spark Spectrometers, Plasma Spectrometers (ICP, ICP-MS), Atomic Absorption Spectrometers, XRD/XRF Spectrometers, and Other Atomic Spectrometers); Mass Spectrometry (LC-MS, GC-MS, MALDI-TOF and Other Mass Spectrometers); and Accessories Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2009 through 2014 (includes corresponding Graph/Chart)

**Table 103.** Italian 14-Year Perspective for Spectroscopy Equipment and Accessories by Product Segment - Percentage Breakdown of Dollar Sales for Molecular Spectroscopy (UV-Vis Spectrophotometers, Raman Spectrometers, NMR-EPR Spectrometers, Near Infrared (NIR) Spectrometers, IR Spectrometers, Color Measurement Spectrometers, and Other Molecular Spectrometers); Atomic Spectroscopy (Ark/Spark Spectrometers, Plasma Spectrometers (ICP, ICP-MS), Atomic Absorption Spectrometers, XRD/XRF Spectrometers, and Other Atomic Spectrometers); Mass Spectrometry (LC-MS, GC-MS, MALDI-TOF and Other Mass Spectrometers); and Accessories Markets for Years 2009, 2016 & 2022 (includes corresponding Graph/Chart)

## 4D. THE UNITED KINGDOM

### A. Market Analysis

#### Current and Future Analysis

#### Product Launches

Spectris plc – A Key Player

B. Market Analytics

**Table 104.** UK Recent Past, Current & Future Analysis for Spectroscopy Equipment and Accessories by Product Segment - Molecular Spectroscopy (UV-Vis Spectrophotometers, Raman Spectrometers, NMR-EPR Spectrometers, Near Infrared (NIR) Spectrometers, IR Spectrometers, Color Measurement Spectrometers, and Other Molecular Spectrometers); Atomic Spectroscopy (Ark/Spark Spectrometers, Plasma Spectrometers (ICP, ICP-MS), Atomic Absorption Spectrometers, XRD/XRF Spectrometers, and Other Atomic Spectrometers); Mass Spectrometry (LC-MS, GC-MS, MALDI-TOF and Other Mass Spectrometers); and Accessories Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2015 through 2022 (includes corresponding Graph/Chart)

**Table 105.** UK Historic Review for Spectroscopy Equipment and Accessories by Product Segment - Molecular Spectroscopy (UV-Vis Spectrophotometers, Raman Spectrometers, NMR-EPR Spectrometers, Near Infrared (NIR) Spectrometers, IR Spectrometers, Color Measurement Spectrometers, and Other Molecular Spectrometers); Atomic Spectroscopy (Ark/Spark Spectrometers, Plasma Spectrometers (ICP, ICP-MS), Atomic Absorption Spectrometers, XRD/XRF Spectrometers, and Other Atomic Spectrometers); Mass Spectrometry (LC-MS, GC-MS, MALDI-TOF and Other Mass Spectrometers); and Accessories Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2009 through 2014 (includes corresponding Graph/Chart)

**Table 106.** UK 14-Year Perspective for Spectroscopy Equipment and Accessories by Product Segment - Percentage Breakdown of Dollar Sales for Molecular Spectroscopy (UV-Vis Spectrophotometers, Raman Spectrometers, NMR-EPR Spectrometers, Near Infrared (NIR) Spectrometers, IR Spectrometers, Color Measurement Spectrometers, and Other Molecular Spectrometers); Atomic Spectroscopy (Ark/Spark Spectrometers, Plasma Spectrometers (ICP, ICP-MS), Atomic Absorption Spectrometers, XRD/XRF Spectrometers, and Other Atomic Spectrometers); Mass Spectrometry (LC-MS, GC-MS, MALDI-TOF and Other Mass Spectrometers); and Accessories Markets for Years 2009, 2016 & 2022 (includes corresponding Graph/Chart)

## 4E. SPAIN

A. Market Analysis

## Current and Future Analysis

### B. Market Analytics

**Table 107.** Spanish Recent Past, Current & Future Analysis for Spectroscopy Equipment and Accessories by Product Segment - Molecular Spectroscopy (UV-Vis Spectrophotometers, Raman Spectrometers, NMR-EPR Spectrometers, Near Infrared (NIR) Spectrometers, IR Spectrometers, Color Measurement Spectrometers, and Other Molecular Spectrometers); Atomic Spectroscopy (Ark/Spark Spectrometers, Plasma Spectrometers (ICP, ICP-MS), Atomic Absorption Spectrometers, XRD/XRF Spectrometers, and Other Atomic Spectrometers); Mass Spectrometry (LC-MS, GC-MS, MALDI-TOF and Other Mass Spectrometers); and Accessories Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2015 through 2022 (includes corresponding Graph/Chart)

**Table 108.** Spanish Historic Review for Spectroscopy Equipment and Accessories by Product Segment - Molecular Spectroscopy (UV-Vis Spectrophotometers, Raman Spectrometers, NMR-EPR Spectrometers, Near Infrared (NIR) Spectrometers, IR Spectrometers, Color Measurement Spectrometers, and Other Molecular Spectrometers); Atomic Spectroscopy (Ark/Spark Spectrometers, Plasma Spectrometers (ICP, ICP-MS), Atomic Absorption Spectrometers, XRD/XRF Spectrometers, and Other Atomic Spectrometers); Mass Spectrometry (LC-MS, GC-MS, MALDI-TOF and Other Mass Spectrometers); and Accessories Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2009 through 2014 (includes corresponding Graph/Chart)

**Table 109.** Spanish 14-Year Perspective for Spectroscopy Equipment and Accessories by Product Segment - Percentage Breakdown of Dollar Sales for Molecular Spectroscopy (UV-Vis Spectrophotometers, Raman Spectrometers, NMR-EPR Spectrometers, Near Infrared (NIR) Spectrometers, IR Spectrometers, Color Measurement Spectrometers, and Other Molecular Spectrometers); Atomic Spectroscopy (Ark/Spark Spectrometers, Plasma Spectrometers (ICP, ICP-MS), Atomic Absorption Spectrometers, XRD/XRF Spectrometers, and Other Atomic Spectrometers); Mass Spectrometry (LC-MS, GC-MS, MALDI-TOF and Other Mass Spectrometers); and Accessories Markets for Years 2009, 2016 & 2022 (includes corresponding Graph/Chart)

## 4F. RUSSIA



A. Market Analysis  
Current and Future Analysis  
B. Market Analytics

**Table 110.** Russian Recent Past, Current & Future Analysis for Spectroscopy Equipment and Accessories by Product Segment - Molecular Spectroscopy (UV-Vis Spectrophotometers, Raman Spectrometers, NMR-EPR Spectrometers, Near Infrared (NIR) Spectrometers, IR Spectrometers, Color Measurement Spectrometers, and Other Molecular Spectrometers); Atomic Spectroscopy (Ark/Spark Spectrometers, Plasma Spectrometers (ICP, ICP-MS), Atomic Absorption Spectrometers, XRD/XRF Spectrometers, and Other Atomic Spectrometers); Mass Spectrometry (LC-MS, GC-MS, MALDI-TOF and Other Mass Spectrometers); and Accessories Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2015 through 2022 (includes corresponding Graph/Chart)

**Table 111.** Russian Historic Review for Spectroscopy Equipment and Accessories by Product Segment - Molecular Spectroscopy (UV-Vis Spectrophotometers, Raman Spectrometers, NMR-EPR Spectrometers, Near Infrared (NIR) Spectrometers, IR Spectrometers, Color Measurement Spectrometers, and Other Molecular Spectrometers); Atomic Spectroscopy (Ark/Spark Spectrometers, Plasma Spectrometers (ICP, ICP-MS), Atomic Absorption Spectrometers, XRD/XRF Spectrometers, and Other Atomic Spectrometers); Mass Spectrometry (LC-MS, GC-MS, MALDI-TOF and Other Mass Spectrometers); and Accessories Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2009 through 2014 (includes corresponding Graph/Chart)

**Table 112.** Russian 14-Year Perspective for Spectroscopy Equipment and Accessories by Product Segment - Percentage Breakdown of Dollar Sales for Molecular Spectroscopy (UV-Vis Spectrophotometers, Raman Spectrometers, NMR-EPR Spectrometers, Near Infrared (NIR) Spectrometers, IR Spectrometers, Color Measurement Spectrometers, and Other Molecular Spectrometers); Atomic Spectroscopy (Ark/Spark Spectrometers, Plasma Spectrometers (ICP, ICP-MS), Atomic Absorption Spectrometers, XRD/XRF Spectrometers, and Other Atomic Spectrometers); Mass Spectrometry (LC-MS, GC-MS, MALDI-TOF and Other Mass Spectrometers); and Accessories Markets for Years 2009, 2016 & 2022 (includes corresponding Graph/Chart)

#### **4G. REST OF EUROPE**

**A. Market Analysis**

Current and Future Analysis

Overview of Select Countries

Austria

Belgium

Product Launches

Metrohm AG (Switzerland) – A Key Player

**B. Market Analytics**

**Table 113.** Rest of Europe Recent Past, Current & Future Analysis for Spectroscopy Equipment and Accessories by Product Segment - Molecular Spectroscopy (UV-Vis Spectrophotometers, Raman Spectrometers, NMR-EPR Spectrometers, Near Infrared (NIR) Spectrometers, IR Spectrometers, Color Measurement Spectrometers, and Other Molecular Spectrometers); Atomic Spectroscopy (Ark/Spark Spectrometers, Plasma Spectrometers (ICP, ICP-MS), Atomic Absorption Spectrometers, XRD/XRF Spectrometers, and Other Atomic Spectrometers); Mass Spectrometry (LC-MS, GC-MS, MALDI-TOF and Other Mass Spectrometers); and Accessories Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2015 through 2022 (includes corresponding Graph/Chart)

**Table 114.** Rest of Europe Historic Review for Spectroscopy Equipment and Accessories by Product Segment - Molecular Spectroscopy (UV-Vis Spectrophotometers, Raman Spectrometers, NMR-EPR Spectrometers, Near Infrared (NIR) Spectrometers, IR Spectrometers, Color Measurement Spectrometers, and Other Molecular Spectrometers); Atomic Spectroscopy (Ark/Spark Spectrometers, Plasma Spectrometers (ICP, ICP-MS), Atomic Absorption Spectrometers, XRD/XRF Spectrometers, and Other Atomic Spectrometers); Mass Spectrometry (LC-MS, GC-MS, MALDI-TOF and Other Mass Spectrometers); and Accessories Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2009 through 2014 (includes corresponding Graph/Chart)

**Table 115.** Rest of Europe 14-Year Perspective for Spectroscopy Equipment and Accessories by Product Segment - Percentage Breakdown of Dollar Sales for Molecular Spectroscopy (UV-Vis Spectrophotometers, Raman Spectrometers, NMR-EPR Spectrometers, Near Infrared (NIR) Spectrometers, IR Spectrometers, Color Measurement Spectrometers, and Other Molecular Spectrometers); Atomic Spectroscopy (Ark/Spark Spectrometers, Plasma Spectrometers (ICP, ICP-MS), Atomic



Absorption Spectrometers, XRD/XRF Spectrometers, and Other Atomic Spectrometers); Mass Spectrometry (LC-MS, GC-MS, MALDI-TOF and Other Mass Spectrometers); and Accessories Markets for Years 2009, 2016 & 2022 (includes corresponding Graph/Chart)

## 5. ASIA-PACIFIC

### A. Market Analysis

Current and Future Analysis

By Region

By Product

### B. Market Analytics

**Table 116.** Asia-Pacific Recent Past, Current & Future Analysis for Spectroscopy Equipment and Accessories by Geographic Region - China and Rest of Asia-Pacific Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2015 through 2022 (includes corresponding Graph/Chart)

**Table 117.** Asia-Pacific Historic Review for Spectroscopy Equipment and Accessories by Geographic Region - China and Rest of Asia-Pacific Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2009 through 2014 (includes corresponding Graph/Chart)

**Table 118.** Asia-Pacific 14-Year Perspective for Spectroscopy Equipment and Accessories by Geographic Region - Percentage Breakdown of Dollar Sales for China and Rest of Asia-Pacific Markets for Years 2009, 2016 & 2022 (includes corresponding Graph/Chart)

**Table 119.** Asia-Pacific Recent Past, Current & Future Analysis for Spectroscopy Equipment and Accessories by Product Segment - Molecular Spectroscopy (UV-Vis Spectrophotometers, Raman Spectrometers, NMR-EPR Spectrometers, Near Infrared (NIR) Spectrometers, IR Spectrometers, Color Measurement Spectrometers, and Other Molecular Spectrometers); Atomic Spectroscopy (Ark/Spark Spectrometers, Plasma Spectrometers (ICP, ICP-MS), Atomic Absorption Spectrometers, XRD/XRF Spectrometers, and Other Atomic Spectrometers); Mass Spectrometry (LC-MS, GC-MS, MALDI-TOF and Other Mass Spectrometers); and Accessories Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2015 through 2022 (includes corresponding Graph/Chart)

**Table 120.** Asia-Pacific Historic Review for Spectroscopy Equipment and Accessories by Product Segment - Molecular Spectroscopy (UV-Vis Spectrophotometers, Raman Spectrometers, NMR-EPR Spectrometers, Near Infrared (NIR) Spectrometers, IR Spectrometers, Color Measurement Spectrometers, and Other Molecular Spectrometers); Atomic Spectroscopy (Ark/Spark Spectrometers, Plasma Spectrometers (ICP, ICP-MS), Atomic Absorption Spectrometers, XRD/XRF Spectrometers, and Other Atomic Spectrometers); Mass Spectrometry (LC-MS, GC-MS, MALDI-TOF and Other Mass Spectrometers); and Accessories Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2009 through 2014 (includes corresponding Graph/Chart)

**Table 121.** Asia-Pacific 14-Year Perspective for Spectroscopy Equipment and Accessories by Product Segment - Percentage Breakdown of Dollar Sales for Molecular Spectroscopy (UV-Vis Spectrophotometers, Raman Spectrometers, NMR-EPR Spectrometers, Near Infrared (NIR) Spectrometers, IR Spectrometers, Color Measurement Spectrometers, and Other Molecular Spectrometers); Atomic Spectroscopy (Ark/Spark Spectrometers, Plasma Spectrometers (ICP, ICP-MS), Atomic Absorption Spectrometers, XRD/XRF Spectrometers, and Other Atomic Spectrometers); Mass Spectrometry (LC-MS, GC-MS, MALDI-TOF and Other Mass Spectrometers); and Accessories Markets for Years 2009, 2016 & 2022 (includes corresponding Graph/Chart)

## 5A. CHINA

### A. Market Analysis

Current and Future Analysis

Product Launch

Strategic Corporate Development

### B. Market Analytics

**Table 122.** Chinese Recent Past, Current & Future Analysis for Spectroscopy Equipment and Accessories by Product Segment - Molecular Spectroscopy (UV-Vis Spectrophotometers, Raman Spectrometers, NMR-EPR Spectrometers, Near Infrared (NIR) Spectrometers, IR Spectrometers, Color Measurement Spectrometers, and Other Molecular Spectrometers); Atomic Spectroscopy (Ark/Spark Spectrometers, Plasma Spectrometers (ICP, ICP-MS), Atomic Absorption Spectrometers, XRD/XRF Spectrometers, and Other Atomic Spectrometers); Mass Spectrometry (LC-MS, GC-MS, MALDI-TOF and Other Mass Spectrometers); and Accessories Markets

Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2015 through 2022 (includes corresponding Graph/Chart)

**Table 123.** Chinese Historic Review for Spectroscopy Equipment and Accessories by Product Segment - Molecular Spectroscopy (UV-Vis Spectrophotometers, Raman Spectrometers, NMR-EPR Spectrometers, Near Infrared (NIR) Spectrometers, IR Spectrometers, Color Measurement Spectrometers, and Other Molecular Spectrometers); Atomic Spectroscopy (Ark/Spark Spectrometers, Plasma Spectrometers (ICP, ICP-MS), Atomic Absorption Spectrometers, XRD/XRF Spectrometers, and Other Atomic Spectrometers); Mass Spectrometry (LC-MS, GC-MS, MALDI-TOF and Other Mass Spectrometers); and Accessories Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2009 through 2014 (includes corresponding Graph/Chart)

**Table 124.** Chinese 14-Year Perspective for Spectroscopy Equipment and Accessories by Product Segment - Percentage Breakdown of Dollar Sales for Molecular Spectroscopy (UV-Vis Spectrophotometers, Raman Spectrometers, NMR-EPR Spectrometers, Near Infrared (NIR) Spectrometers, IR Spectrometers, Color Measurement Spectrometers, and Other Molecular Spectrometers); Atomic Spectroscopy (Ark/Spark Spectrometers, Plasma Spectrometers (ICP, ICP-MS), Atomic Absorption Spectrometers, XRD/XRF Spectrometers, and Other Atomic Spectrometers); Mass Spectrometry (LC-MS, GC-MS, MALDI-TOF and Other Mass Spectrometers); and Accessories Markets for Years 2009, 2016 & 2022 (includes corresponding Graph/Chart)

## **5B. REST OF ASIA-PACIFIC**

### **A. Market Analysis**

#### **Current and Future Analysis**

#### **A Focus on the Indian Market**

#### **Mass Spectrometry Market – A Review**

**Table 125.** Indian Mass Spectrometers Market by Technology (2015): Percentage Breakdown of Value Sales for FTMS, Ion Trap MS, MALDI-TOF, Single Quadrupole, TOF MS and Triple Quadrupole (includes corresponding Graph/Chart)

### **Leading End-Users of Mass Spectrometers**

**Table 126.** Indian Mass Spectrometers Market by End-Use Sector (2015): Percentage Breakdown of Value Sales for Academia, Biotechnology, Chemical Industry, Clinical Research, Contract Research Organizations, Food Analysis, General Environment, Government Research and Pharmaceuticals (includes corresponding Graph/Chart)<sup>3</sup>

Competition in the Mass Spectrometers Market – A Historic Perspective

**Table 127.** Leading Players in Indian Mass Spectrometers Market (2012): Percentage Breakdown of Value Sales for AB Sciex, Bruker, Thermo Fisher Scientific, Waters and Others (includes corresponding Graph/Chart)

Emerging Applications of MS Systems

B. Market Analytics

**Table 128.** Rest of Asia-Pacific Recent Past, Current & Future Analysis for Spectroscopy Equipment and Accessories by Product Segment - Molecular Spectroscopy (UV-Vis Spectrophotometers, Raman Spectrometers, NMR-EPR Spectrometers, Near Infrared (NIR) Spectrometers, IR Spectrometers, Color Measurement Spectrometers, and Other Molecular Spectrometers); Atomic Spectroscopy (Ark/Spark Spectrometers, Plasma Spectrometers (ICP, ICP-MS), Atomic Absorption Spectrometers, XRD/XRF Spectrometers, and Other Atomic Spectrometers); Mass Spectrometry (LC-MS, GC-MS, MALDI-TOF and Other Mass Spectrometers); and Accessories Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2015 through 2022 (includes corresponding Graph/Chart)

**Table 129.** Rest of Asia-Pacific Historic Review for Spectroscopy Equipment and Accessories by Product Segment - Molecular Spectroscopy (UV-Vis Spectrophotometers, Raman Spectrometers, NMR-EPR Spectrometers, Near Infrared (NIR) Spectrometers, IR Spectrometers, Color Measurement Spectrometers, and Other Molecular Spectrometers); Atomic Spectroscopy (Ark/Spark Spectrometers, Plasma Spectrometers (ICP, ICP-MS), Atomic Absorption Spectrometers, XRD/XRF Spectrometers, and Other Atomic Spectrometers); Mass Spectrometry (LC-MS, GC-MS, MALDI-TOF and Other Mass Spectrometers); and Accessories Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2009 through 2014 (includes corresponding Graph/Chart)

**Table 130.** Rest of Asia-Pacific 14-Year Perspective for Spectroscopy Equipment and Accessories by Product Segment - Percentage Breakdown of Dollar Sales for Molecular Spectroscopy (UV-Vis Spectrophotometers, Raman Spectrometers, NMR-EPR Spectrometers, Near Infrared (NIR) Spectrometers, IR Spectrometers, Color Measurement Spectrometers, and Other Molecular Spectrometers); Atomic Spectroscopy (Ark/Spark Spectrometers, Plasma Spectrometers (ICP, ICP-MS), Atomic Absorption Spectrometers, XRD/XRF Spectrometers, and Other Atomic Spectrometers); Mass Spectrometry (LC-MS, GC-MS, MALDI-TOF and Other Mass Spectrometers); and Accessories Markets for Years 2009, 2016 & 2022 (includes corresponding Graph/Chart)

## 6. LATIN AMERICA

### A. Market Analysis

#### Current and Future Analysis

### B. Market Analytics

**Table 131.** Latin American Recent Past, Current & Future Analysis for Spectroscopy Equipment and Accessories by Product Segment - Molecular Spectroscopy (UV-Vis Spectrophotometers, Raman Spectrometers, NMR-EPR Spectrometers, Near Infrared (NIR) Spectrometers, IR Spectrometers, Color Measurement Spectrometers, and Other Molecular Spectrometers); Atomic Spectroscopy (Ark/Spark Spectrometers, Plasma Spectrometers (ICP, ICP-MS), Atomic Absorption Spectrometers, XRD/XRF Spectrometers, and Other Atomic Spectrometers); Mass Spectrometry (LC-MS, GC-MS, MALDI-TOF and Other Mass Spectrometers); and Accessories Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2015 through 2022 (includes corresponding Graph/Chart)

**Table 132.** Latin American Historic Review for Spectroscopy Equipment and Accessories by Product Segment - Molecular Spectroscopy (UV-Vis Spectrophotometers, Raman Spectrometers, NMR-EPR Spectrometers, Near Infrared (NIR) Spectrometers, IR Spectrometers, Color Measurement Spectrometers, and Other Molecular Spectrometers); Atomic Spectroscopy (Ark/Spark Spectrometers, Plasma Spectrometers (ICP, ICP-MS), Atomic Absorption Spectrometers, XRD/XRF Spectrometers, and Other Atomic Spectrometers); Mass Spectrometry (LC-MS, GC-MS, MALDI-TOF and Other Mass Spectrometers); and Accessories Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2009 through 2014 (includes corresponding Graph/Chart)



**Table 133.** Latin American 14-Year Perspective for Spectroscopy Equipment and Accessories by Product Segment - Percentage Breakdown of Dollar Sales for Molecular Spectroscopy (UV-Vis Spectrophotometers, Raman Spectrometers, NMR-EPR Spectrometers, Near Infrared (NIR) Spectrometers, IR Spectrometers, Color Measurement Spectrometers, and Other Molecular Spectrometers); Atomic Spectroscopy (Ark/Spark Spectrometers, Plasma Spectrometers (ICP, ICP-MS), Atomic Absorption Spectrometers, XRD/XRF Spectrometers, and Other Atomic Spectrometers); Mass Spectrometry (LC-MS, GC-MS, MALDI-TOF and Other Mass Spectrometers); and Accessories Markets for Years 2009, 2016 & 2022 (includes corresponding Graph/Chart)

## 7. REST OF WORLD

### A. Market Analysis

#### Current and Future Analysis

### B. Market Analytics

**Table 134.** Rest of World Recent Past, Current & Future Analysis for Spectroscopy Equipment and Accessories by Product Segment - Molecular Spectroscopy (UV-Vis Spectrophotometers, Raman Spectrometers, NMR-EPR Spectrometers, Near Infrared (NIR) Spectrometers, IR Spectrometers, Color Measurement Spectrometers, and Other Molecular Spectrometers); Atomic Spectroscopy (Ark/Spark Spectrometers, Plasma Spectrometers (ICP, ICP-MS), Atomic Absorption Spectrometers, XRD/XRF Spectrometers, and Other Atomic Spectrometers); Mass Spectrometry (LC-MS, GC-MS, MALDI-TOF and Other Mass Spectrometers); and Accessories Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2015 through 2022 (includes corresponding Graph/Chart)

**Table 135.** Rest of World Historic Review for Spectroscopy Equipment and Accessories by Product Segment - Molecular Spectroscopy (UV-Vis Spectrophotometers, Raman Spectrometers, NMR-EPR Spectrometers, Near Infrared (NIR) Spectrometers, IR Spectrometers, Color Measurement Spectrometers, and Other Molecular Spectrometers); Atomic Spectroscopy (Ark/Spark Spectrometers, Plasma Spectrometers (ICP, ICP-MS), Atomic Absorption Spectrometers, XRD/XRF Spectrometers, and Other Atomic Spectrometers); Mass Spectrometry (LC-MS, GC-MS, MALDI-TOF and Other Mass Spectrometers); and Accessories Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2009 through 2014 (includes corresponding Graph/Chart)

**Table 136.** Rest of World 14-Year Perspective for Spectroscopy Equipment and Accessories by Product Segment - Percentage Breakdown of Dollar Sales for Molecular Spectroscopy (UV-Vis Spectrophotometers, Raman Spectrometers, NMR-EPR Spectrometers, Near Infrared (NIR) Spectrometers, IR Spectrometers, Color Measurement Spectrometers, and Other Molecular Spectrometers); Atomic Spectroscopy (Ark/Spark Spectrometers, Plasma Spectrometers (ICP, ICP-MS), Atomic Absorption Spectrometers, XRD/XRF Spectrometers, and Other Atomic Spectrometers); Mass Spectrometry (LC-MS, GC-MS, MALDI-TOF and Other Mass Spectrometers); and Accessories Markets for Years 2009, 2016 & 2022 (includes corresponding Graph/Chart)

#### **IV. COMPETITIVE LANDSCAPE**

Total Companies Profiled: 117 (including Divisions/Subsidiaries - 138)

The United States (75)

Canada (2)

Japan (11)

Europe (40)

France (3)

Germany (11)

The United Kingdom (18)

Italy (1)

Spain (1)

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