

Global (North America, Europe, Asia-Pacific, South America, Middle East and Africa) IR Spectroscopy Equipment Market 2018, Forecast to 2023

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Abstracts

IR spectroscopy is the analysis of infrared light interacting with a molecule. This can be analyzed in three ways by measuring absorption, emission and reflection. IR spectroscopy has been a workhorse technique for materials analysis in the laboratory for over seventy years. An infrared spectrum represents a fingerprint of a sample with absorption peaks which correspond to the frequencies of vibrations between the bonds of the atoms making up the material. Because each different material is a unique combination of atoms, no two compounds produce the exact same infrared spectrum. Therefore, IR spectroscopy can result in a positive identification (qualitative analysis) of every different kind of material. In addition, the size of the peaks in the spectrum is a direct indication of the amount of material present. With modern software algorithms, infrared is an excellent tool for quantitative analysis.

SCOPE OF THE REPORT:

This report focuses on the IR Spectroscopy Equipment in global market, especially in North America, Europe and Asia-Pacific, South America, Middle East and Africa. This report categorizes the market based on manufacturers, regions, type and application. North America is the dominate producer of IR spectroscopy, the production is 5288 Units in 2015, accounting for about 52.25% of the total amount, followed by Europe, with the production market share of 20.78%. And Southeast Asia, India, Japan, China are expected to remain the regions with the largest growth potential in the forecast period.

At present, in the foreign industrial developed countries the IR spectroscopy industry is generally at a more advanced level, the world's large enterprises are mainly concentrated in the North America and Europe, accounted for most of the international

market share. Meanwhile, these companies have more advanced equipment, strong R&D capabilities; the technical level is in a leading position. Leading players in IR spectroscopy industry are Thermo Fisher Scientific, PerkinElmer, Shimadzu, Bruker. Thermo Fisher Scientific is the largest manufacturer, with the market share of 20.95% in 2015. The top four companies occupied about 49.58% share of the market in 2015. Pharmaceutical industry accounted for the largest market with about 24.17% of the global consumption for IR spectroscopy in 2015. With over 18.38% market share in the IR spectroscopy market, chemical industry was the second largest application market in 2015.

The worldwide market for IR Spectroscopy Equipment is expected to grow at a CAGR of roughly xx% over the next five years, will reach xx million US\$ in 2023, from xx million US\$ in 2017, according to a new GIR (Global Info Research) study.

Market Segment by Manufacturers, this report covers

Thermo Fisher Scientific

PerkinElmer

Shimadzu

Bruker

Agilent Technologies

ABB

Foss

JASCO

MKS Instruments

Sartorius

BÜCHI Labortechnik

Beijing Beifen-Ruili Analytical Instrument

Tianjin Gangdong

FPI Group

Market Segment by Regions, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, UK, Russia and Italy)

Asia-Pacific (China, Japan, Korea, India and Southeast Asia)

South America (Brazil, Argentina, Colombia etc.)

Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria and South Africa)

Market Segment by Type, covers

Fourier Transform Infrared Spectrometer

Near-infrared Spectrometer

Others

Market Segment by Applications, can be divided into

Pharmaceutical Industry

Food and Agriculture Industry

Chemical Industry

Polymer

Oil and Gas Industry

Others

There are 15 Chapters to deeply display the global IR Spectroscopy Equipment market.

Chapter 1, to describe IR Spectroscopy Equipment Introduction, product scope, market overview, market opportunities, market risk, market driving force;

Chapter 2, to analyze the top manufacturers of IR Spectroscopy Equipment, with sales, revenue, and price of IR Spectroscopy Equipment, in 2016 and 2017;

Chapter 3, to display the competitive situation among the top manufacturers, with sales, revenue and market share in 2016 and 2017;

Chapter 4, to show the global market by regions, with sales, revenue and market share of IR Spectroscopy Equipment, for each region, from 2013 to 2018;

Chapter 5, 6, 7, 8 and 9, to analyze the market by countries, by type, by application and by manufacturers, with sales, revenue and market share by key countries in these regions;

Chapter 10 and 11, to show the market by type and application, with sales market share and growth rate by type, application, from 2013 to 2018;

Chapter 12, IR Spectroscopy Equipment market forecast, by regions, type and application, with sales and revenue, from 2018 to 2023;

Chapter 13, 14 and 15, to describe IR Spectroscopy Equipment sales channel, distributors, traders, dealers, Research Findings and Conclusion, appendix and data source

Contents

1 MARKET OVERVIEW

- 1.1 IR Spectroscopy Equipment Introduction
- 1.2 Market Analysis by Type
 - 1.2.1 Fourier Transform Infrared Spectrometer
 - 1.2.2 Near-infrared Spectrometer
 - 1.2.3 Others
- 1.3 Market Analysis by Applications
 - 1.3.1 Pharmaceutical Industry
 - 1.3.2 Food and Agriculture Industry
 - 1.3.3 Chemical Industry
 - 1.3.4 Polymer
 - 1.3.5 Oil and Gas Industry
 - 1.3.6 Others
- 1.4 Market Analysis by Regions
 - 1.4.1 North America (United States, Canada and Mexico)
 - 1.4.1.1 United States Market States and Outlook (2013-2023)
 - 1.4.1.2 Canada Market States and Outlook (2013-2023)
 - 1.4.1.3 Mexico Market States and Outlook (2013-2023)
 - 1.4.2 Europe (Germany, France, UK, Russia and Italy)
 - 1.4.2.1 Germany Market States and Outlook (2013-2023)
 - 1.4.2.2 France Market States and Outlook (2013-2023)
 - 1.4.2.3 UK Market States and Outlook (2013-2023)
 - 1.4.2.4 Russia Market States and Outlook (2013-2023)
 - 1.4.2.5 Italy Market States and Outlook (2013-2023)
 - 1.4.3 Asia-Pacific (China, Japan, Korea, India and Southeast Asia)
 - 1.4.3.1 China Market States and Outlook (2013-2023)
 - 1.4.3.2 Japan Market States and Outlook (2013-2023)
 - 1.4.3.3 Korea Market States and Outlook (2013-2023)
 - 1.4.3.4 India Market States and Outlook (2013-2023)
 - 1.4.3.5 Southeast Asia Market States and Outlook (2013-2023)
 - 1.4.4 South America, Middle East and Africa
 - 1.4.4.1 Brazil Market States and Outlook (2013-2023)
 - 1.4.4.2 Egypt Market States and Outlook (2013-2023)
 - 1.4.4.3 Saudi Arabia Market States and Outlook (2013-2023)
 - 1.4.4.4 South Africa Market States and Outlook (2013-2023)
 - 1.4.4.5 Nigeria Market States and Outlook (2013-2023)

1.5 Market Dynamics

1.5.1 Market Opportunities

1.5.2 Market Risk

1.5.3 Market Driving Force

2 MANUFACTURERS PROFILES

2.1 Thermo Fisher Scientific

2.1.1 Business Overview

2.1.1.1 Thermo Fisher Scientific Description

2.1.1.2 Thermo Fisher Scientific Headquarter, Main Business and Finance Overview

2.1.2 Thermo Fisher Scientific IR Spectroscopy Equipment Product Introduction

2.1.2.1 IR Spectroscopy Equipment Production Bases, Sales Regions and Major Competitors

2.1.2.2 IR Spectroscopy Equipment Product Information

2.1.3 Thermo Fisher Scientific IR Spectroscopy Equipment Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.1.3.1 Thermo Fisher Scientific IR Spectroscopy Equipment Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.1.3.2 Global Thermo Fisher Scientific IR Spectroscopy Equipment Market Share in 2017

2.2 PerkinElmer

2.2.1 Business Overview

2.2.1.1 PerkinElmer Description

2.2.1.2 PerkinElmer Headquarter, Main Business and Finance Overview

2.2.2 PerkinElmer IR Spectroscopy Equipment Product Introduction

2.2.2.1 IR Spectroscopy Equipment Production Bases, Sales Regions and Major Competitors

2.2.2.2 IR Spectroscopy Equipment Product Information

2.2.3 PerkinElmer IR Spectroscopy Equipment Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.2.3.1 PerkinElmer IR Spectroscopy Equipment Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.2.3.2 Global PerkinElmer IR Spectroscopy Equipment Market Share in 2017

2.3 Shimadzu

2.3.1 Business Overview

2.3.1.1 Shimadzu Description

2.3.1.2 Shimadzu Headquarter, Main Business and Finance Overview

2.3.2 Shimadzu IR Spectroscopy Equipment Product Introduction

2.3.2.1 IR Spectroscopy Equipment Production Bases, Sales Regions and Major Competitors

2.3.2.2 IR Spectroscopy Equipment Product Information

2.3.3 Shimadzu IR Spectroscopy Equipment Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.3.3.1 Shimadzu IR Spectroscopy Equipment Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.3.3.2 Global Shimadzu IR Spectroscopy Equipment Market Share in 2017

2.4 Bruker

2.4.1 Business Overview

2.4.1.1 Bruker Description

2.4.1.2 Bruker Headquarter, Main Business and Finance Overview

2.4.2 Bruker IR Spectroscopy Equipment Product Introduction

2.4.2.1 IR Spectroscopy Equipment Production Bases, Sales Regions and Major Competitors

2.4.2.2 IR Spectroscopy Equipment Product Information

2.4.3 Bruker IR Spectroscopy Equipment Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.4.3.1 Bruker IR Spectroscopy Equipment Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.4.3.2 Global Bruker IR Spectroscopy Equipment Market Share in 2017

2.5 Agilent Technologies

2.5.1 Business Overview

2.5.1.1 Agilent Technologies Description

2.5.1.2 Agilent Technologies Headquarter, Main Business and Finance Overview

2.5.2 Agilent Technologies IR Spectroscopy Equipment Product Introduction

2.5.2.1 IR Spectroscopy Equipment Production Bases, Sales Regions and Major Competitors

2.5.2.2 IR Spectroscopy Equipment Product Information

2.5.3 Agilent Technologies IR Spectroscopy Equipment Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.5.3.1 Agilent Technologies IR Spectroscopy Equipment Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.5.3.2 Global Agilent Technologies IR Spectroscopy Equipment Market Share in 2017

2.6 ABB

2.6.1 Business Overview

2.6.1.1 ABB Description

2.6.1.2 ABB Headquarter, Main Business and Finance Overview

2.6.2 ABB IR Spectroscopy Equipment Product Introduction

2.6.2.1 IR Spectroscopy Equipment Production Bases, Sales Regions and Major Competitors

2.6.2.2 IR Spectroscopy Equipment Product Information

2.6.3 ABB IR Spectroscopy Equipment Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.6.3.1 ABB IR Spectroscopy Equipment Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.6.3.2 Global ABB IR Spectroscopy Equipment Market Share in 2017

2.7 Foss

2.7.1 Business Overview

2.7.1.1 Foss Description

2.7.1.2 Foss Headquarter, Main Business and Finance Overview

2.7.2 Foss IR Spectroscopy Equipment Product Introduction

2.7.2.1 IR Spectroscopy Equipment Production Bases, Sales Regions and Major Competitors

2.7.2.2 IR Spectroscopy Equipment Product Information

2.7.3 Foss IR Spectroscopy Equipment Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.7.3.1 Foss IR Spectroscopy Equipment Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.7.3.2 Global Foss IR Spectroscopy Equipment Market Share in 2017

2.8 JASCO

2.8.1 Business Overview

2.8.1.1 JASCO Description

2.8.1.2 JASCO Headquarter, Main Business and Finance Overview

2.8.2 JASCO IR Spectroscopy Equipment Product Introduction

2.8.2.1 IR Spectroscopy Equipment Production Bases, Sales Regions and Major Competitors

2.8.2.2 IR Spectroscopy Equipment Product Information

2.8.3 JASCO IR Spectroscopy Equipment Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.8.3.1 JASCO IR Spectroscopy Equipment Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.8.3.2 Global JASCO IR Spectroscopy Equipment Market Share in 2017

2.9 MKS Instruments

2.9.1 Business Overview

2.9.1.1 MKS Instruments Description

2.9.1.2 MKS Instruments Headquarter, Main Business and Finance Overview

- 2.9.2 MKS Instruments IR Spectroscopy Equipment Product Introduction
 - 2.9.2.1 IR Spectroscopy Equipment Production Bases, Sales Regions and Major Competitors
 - 2.9.2.2 IR Spectroscopy Equipment Product Information
- 2.9.3 MKS Instruments IR Spectroscopy Equipment Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)
 - 2.9.3.1 MKS Instruments IR Spectroscopy Equipment Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)
 - 2.9.3.2 Global MKS Instruments IR Spectroscopy Equipment Market Share in 2017
- 2.10 Sartorius
 - 2.10.1 Business Overview
 - 2.10.1.1 Sartorius Description
 - 2.10.1.2 Sartorius Headquarter, Main Business and Finance Overview
 - 2.10.2 Sartorius IR Spectroscopy Equipment Product Introduction
 - 2.10.2.1 IR Spectroscopy Equipment Production Bases, Sales Regions and Major Competitors
 - 2.10.2.2 IR Spectroscopy Equipment Product Information
 - 2.10.3 Sartorius IR Spectroscopy Equipment Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)
 - 2.10.3.1 Sartorius IR Spectroscopy Equipment Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)
 - 2.10.3.2 Global Sartorius IR Spectroscopy Equipment Market Share in 2017
- 2.11 BÜCHI Labortechnik
 - 2.11.1 Business Overview
 - 2.11.2 BÜCHI Labortechnik IR Spectroscopy Equipment Product Introduction
 - 2.11.3 BÜCHI Labortechnik IR Spectroscopy Equipment Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)
- 2.12 Beijing Beifen-Ruili Analytical Instrument
 - 2.12.1 Business Overview
 - 2.12.2 Beijing Beifen-Ruili Analytical Instrument IR Spectroscopy Equipment Product Introduction
 - 2.12.3 Beijing Beifen-Ruili Analytical Instrument IR Spectroscopy Equipment Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)
- 2.13 Tianjin Gangdong
 - 2.13.1 Business Overview
 - 2.13.2 Tianjin Gangdong IR Spectroscopy Equipment Product Introduction
 - 2.13.3 Tianjin Gangdong IR Spectroscopy Equipment Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)
- 2.14 FPI Group

- 2.14.1 Business Overview
- 2.14.2 FPI Group IR Spectroscopy Equipment Product Introduction
- 2.14.3 FPI Group IR Spectroscopy Equipment Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

3 GLOBAL IR SPECTROSCOPY EQUIPMENT MARKET COMPETITION, BY MANUFACTURER

- 3.1 Global IR Spectroscopy Equipment Sales and Market Share by Manufacturer (2016-2017)
- 3.2 Global IR Spectroscopy Equipment Revenue and Market Share by Manufacturer (2016-2017)
- 3.3 Global IR Spectroscopy Equipment Price by Manufacturer (2016-2017)
- 3.4 Market Concentration Rate
 - 3.4.1 Top 3 IR Spectroscopy Equipment Manufacturer Market Share in 2017
 - 3.4.2 Top 5 IR Spectroscopy Equipment Manufacturer Market Share in 2017
- 3.5 Market Competition Trend

4 GLOBAL IR SPECTROSCOPY EQUIPMENT MARKET ANALYSIS BY REGIONS

- 4.1 Global IR Spectroscopy Equipment Sales, Revenue and Market Share by Regions
 - 4.1.1 Global IR Spectroscopy Equipment Sales by Regions (2013-2018)
 - 4.1.2 Global IR Spectroscopy Equipment Revenue by Regions (2013-2018)
- 4.2 North America IR Spectroscopy Equipment Sales, Revenue and Growth Rate (2013-2018)
- 4.3 Europe IR Spectroscopy Equipment Sales, Revenue and Growth Rate (2013-2018)
- 4.4 Asia-Pacific IR Spectroscopy Equipment Sales, Revenue and Growth Rate (2013-2018)
- 4.5 South America IR Spectroscopy Equipment Sales, Revenue and Growth Rate (2013-2018)
- 4.6 Middle East and Africa IR Spectroscopy Equipment Sales, Revenue and Growth Rate (2013-2018)

5 NORTH AMERICA IR SPECTROSCOPY EQUIPMENT BY COUNTRIES, TYPE, APPLICATION AND MANUFACTURERS

- 5.1 North America IR Spectroscopy Equipment Sales, Revenue and Market Share by Countries
 - 5.1.1 North America IR Spectroscopy Equipment Sales by Countries (2013-2018)

- 5.1.2 North America IR Spectroscopy Equipment Revenue by Countries (2013-2018)
- 5.1.3 United States IR Spectroscopy Equipment Sales and Growth Rate (2013-2018)
- 5.1.4 Canada IR Spectroscopy Equipment Sales and Growth Rate (2013-2018)
- 5.1.5 Mexico IR Spectroscopy Equipment Sales and Growth Rate (2013-2018)
- 5.2 North America IR Spectroscopy Equipment Sales and Revenue (Value) by Manufacturers (2016-2017)
 - 5.2.1 North America IR Spectroscopy Equipment Sales by Manufacturers (2016-2017)
 - 5.2.2 North America IR Spectroscopy Equipment Revenue by Manufacturers (2016-2017)
- 5.3 North America IR Spectroscopy Equipment Sales, Revenue and Market Share by Type (2013-2018)
 - 5.3.1 North America IR Spectroscopy Equipment Sales and Sales Share by Type (2013-2018)
 - 5.3.2 North America IR Spectroscopy Equipment Revenue and Revenue Share by Type (2013-2018)
- 5.4 North America IR Spectroscopy Equipment Sales, Revenue and Market Share by Application (2013-2018)
 - 5.4.1 North America IR Spectroscopy Equipment Sales and Sales Share by Application (2013-2018)
 - 5.4.2 North America IR Spectroscopy Equipment Revenue and Revenue Share by Application (2013-2018)

6 EUROPE IR SPECTROSCOPY EQUIPMENT BY COUNTRIES, TYPE, APPLICATION AND MANUFACTURERS

- 6.1 Europe IR Spectroscopy Equipment Sales, Revenue and Market Share by Countries
 - 6.1.1 Europe IR Spectroscopy Equipment Sales by Countries (2013-2018)
 - 6.1.2 Europe IR Spectroscopy Equipment Revenue by Countries (2013-2018)
 - 6.1.3 Germany IR Spectroscopy Equipment Sales and Growth Rate (2013-2018)
 - 6.1.4 UK IR Spectroscopy Equipment Sales and Growth Rate (2013-2018)
 - 6.1.5 France IR Spectroscopy Equipment Sales and Growth Rate (2013-2018)
 - 6.1.6 Russia IR Spectroscopy Equipment Sales and Growth Rate (2013-2018)
 - 6.1.7 Italy IR Spectroscopy Equipment Sales and Growth Rate (2013-2018)
- 6.2 Europe IR Spectroscopy Equipment Sales and Revenue (Value) by Manufacturers (2016-2017)
 - 6.2.1 Europe IR Spectroscopy Equipment Sales by Manufacturers (2016-2017)
 - 6.2.2 Europe IR Spectroscopy Equipment Revenue by Manufacturers (2016-2017)
- 6.3 Europe IR Spectroscopy Equipment Sales, Revenue and Market Share by Type

(2013-2018)

6.3.1 Europe IR Spectroscopy Equipment Sales and Sales Share by Type (2013-2018)

6.3.2 Europe IR Spectroscopy Equipment Revenue and Revenue Share by Type

(2013-2018)

6.4 Europe IR Spectroscopy Equipment Sales, Revenue and Market Share by Application (2013-2018)

6.4.1 Europe IR Spectroscopy Equipment Sales and Sales Share by Application

(2013-2018)

6.4.2 Europe IR Spectroscopy Equipment Revenue and Revenue Share by Application

(2013-2018)

7 ASIA-PACIFIC IR SPECTROSCOPY EQUIPMENT BY COUNTRIES, TYPE, APPLICATION AND MANUFACTURERS

7.1 Asia-Pacific IR Spectroscopy Equipment Sales, Revenue and Market Share by Countries

7.1.1 Asia-Pacific IR Spectroscopy Equipment Sales by Countries (2013-2018)

7.1.2 Asia-Pacific IR Spectroscopy Equipment Revenue by Countries (2013-2018)

7.1.3 China IR Spectroscopy Equipment Sales and Growth Rate (2013-2018)

7.1.4 Japan IR Spectroscopy Equipment Sales and Growth Rate (2013-2018)

7.1.5 Korea IR Spectroscopy Equipment Sales and Growth Rate (2013-2018)

7.1.6 India IR Spectroscopy Equipment Sales and Growth Rate (2013-2018)

7.1.7 Southeast Asia IR Spectroscopy Equipment Sales and Growth Rate (2013-2018)

7.2 Asia-Pacific IR Spectroscopy Equipment Sales and Revenue (Value) by Manufacturers (2016-2017)

7.2.1 Asia-Pacific IR Spectroscopy Equipment Sales by Manufacturers (2016-2017)

7.2.2 Asia-Pacific IR Spectroscopy Equipment Revenue by Manufacturers (2016-2017)

7.3 Asia-Pacific IR Spectroscopy Equipment Sales, Revenue and Market Share by Type (2013-2018)

7.3.1 Asia-Pacific IR Spectroscopy Equipment Sales and Sales Share by Type (2013-2018)

7.3.2 Asia-Pacific IR Spectroscopy Equipment Revenue and Revenue Share by Type (2013-2018)

7.4 Asia-Pacific IR Spectroscopy Equipment Sales, Revenue and Market Share by Application (2013-2018)

7.4.1 Asia-Pacific IR Spectroscopy Equipment Sales and Sales Share by Application (2013-2018)

7.4.2 Asia-Pacific IR Spectroscopy Equipment Revenue and Revenue Share by Application (2013-2018)

8 SOUTH AMERICA IR SPECTROSCOPY EQUIPMENT BY COUNTRIES, TYPE, APPLICATION AND MANUFACTURERS

8.1 South America IR Spectroscopy Equipment Sales, Revenue and Market Share by Countries

8.1.1 South America IR Spectroscopy Equipment Sales by Countries (2013-2018)

8.1.2 South America IR Spectroscopy Equipment Revenue by Countries (2013-2018)

8.1.3 Brazil IR Spectroscopy Equipment Sales and Growth Rate (2013-2018)

8.1.4 Argentina IR Spectroscopy Equipment Sales and Growth Rate (2013-2018)

8.1.5 Colombia IR Spectroscopy Equipment Sales and Growth Rate (2013-2018)

8.2 South America IR Spectroscopy Equipment Sales and Revenue (Value) by Manufacturers (2016-2017)

8.2.1 South America IR Spectroscopy Equipment Sales by Manufacturers (2016-2017)

8.2.2 South America IR Spectroscopy Equipment Revenue by Manufacturers (2016-2017)

8.3 South America IR Spectroscopy Equipment Sales, Revenue and Market Share by Type (2013-2018)

8.3.1 South America IR Spectroscopy Equipment Sales and Sales Share by Type (2013-2018)

8.3.2 South America IR Spectroscopy Equipment Revenue and Revenue Share by Type (2013-2018)

8.4 South America IR Spectroscopy Equipment Sales, Revenue and Market Share by Application (2013-2018)

8.4.1 South America IR Spectroscopy Equipment Sales and Sales Share by Application (2013-2018)

8.4.2 South America IR Spectroscopy Equipment Revenue and Revenue Share by Application (2013-2018)

9 MIDDLE EAST AND AFRICA IR SPECTROSCOPY EQUIPMENT BY COUNTRIES, TYPE, APPLICATION AND MANUFACTURERS

9.1 Middle East and Africa IR Spectroscopy Equipment Sales, Revenue and Market Share by Countries

9.1.1 Middle East and Africa IR Spectroscopy Equipment Sales by Countries (2013-2018)

9.1.2 Middle East and Africa IR Spectroscopy Equipment Revenue by Countries (2013-2018)

9.1.3 Saudi Arabia IR Spectroscopy Equipment Sales and Growth Rate (2013-2018)

- 9.1.4 UAE IR Spectroscopy Equipment Sales and Growth Rate (2013-2018)
- 9.1.5 Egypt IR Spectroscopy Equipment Sales and Growth Rate (2013-2018)
- 9.1.6 Nigeria IR Spectroscopy Equipment Sales and Growth Rate (2013-2018)
- 9.1.7 South Africa IR Spectroscopy Equipment Sales and Growth Rate (2013-2018)
- 9.2 Middle East and Africa IR Spectroscopy Equipment Sales and Revenue (Value) by Manufacturers (2016-2017)
 - 9.2.1 Middle East and Africa IR Spectroscopy Equipment Sales by Manufacturers (2016-2017)
 - 9.2.2 Middle East and Africa IR Spectroscopy Equipment Revenue by Manufacturers (2016-2017)
- 9.3 Middle East and Africa IR Spectroscopy Equipment Sales, Revenue and Market Share by Type (2013-2018)
 - 9.3.1 Middle East and Africa IR Spectroscopy Equipment Sales and Sales Share by Type (2013-2018)
 - 9.3.1 Middle East and Africa IR Spectroscopy Equipment Revenue and Revenue Share by Type (2013-2018)
- 9.4 Middle East and Africa IR Spectroscopy Equipment Sales, Revenue and Market Share by Application (2013-2018)
 - 9.4.1 Middle East and Africa IR Spectroscopy Equipment Sales and Sales Share by Application (2013-2018)
 - 9.4.2 Middle East and Africa IR Spectroscopy Equipment Revenue and Revenue Share by Application (2013-2018)

10 GLOBAL IR SPECTROSCOPY EQUIPMENT MARKET SEGMENT BY TYPE

- 10.1 Global IR Spectroscopy Equipment Sales, Revenue and Market Share by Type (2013-2018)
 - 10.1.1 Global IR Spectroscopy Equipment Sales and Market Share by Type (2013-2018)
 - 10.1.2 Global IR Spectroscopy Equipment Revenue and Market Share by Type (2013-2018)
- 10.2 Fourier Transform Infrared Spectrometer Sales Growth and Price
 - 10.2.1 Global Fourier Transform Infrared Spectrometer Sales Growth (2013-2018)
 - 10.2.2 Global Fourier Transform Infrared Spectrometer Price (2013-2018)
- 10.3 Near-infrared Spectrometer Sales Growth and Price
 - 10.3.1 Global Near-infrared Spectrometer Sales Growth (2013-2018)
 - 10.3.2 Global Near-infrared Spectrometer Price (2013-2018)
- 10.4 Others Sales Growth and Price
 - 10.4.1 Global Others Sales Growth (2013-2018)

10.4.2 Global Others Price (2013-2018)

11 GLOBAL IR SPECTROSCOPY EQUIPMENT MARKET SEGMENT BY APPLICATION

11.1 Global IR Spectroscopy Equipment Sales Market Share by Application (2013-2018)

11.2 Pharmaceutical Industry Sales Growth (2013-2018)

11.3 Food and Agriculture Industry Sales Growth (2013-2018)

11.4 Chemical Industry Sales Growth (2013-2018)

11.5 Polymer Sales Growth (2013-2018)

11.6 Oil and Gas Industry Sales Growth (2013-2018)

11.7 Others Sales Growth (2013-2018)

12 IR SPECTROSCOPY EQUIPMENT MARKET FORECAST (2018-2023)

12.1 Global IR Spectroscopy Equipment Sales, Revenue and Growth Rate (2018-2023)

12.2 IR Spectroscopy Equipment Market Forecast by Regions (2018-2023)

12.2.1 North America IR Spectroscopy Equipment Market Forecast (2018-2023)

12.2.2 Europe IR Spectroscopy Equipment Market Forecast (2018-2023)

12.2.3 Asia-Pacific IR Spectroscopy Equipment Market Forecast (2018-2023)

12.2.4 South America IR Spectroscopy Equipment Market Forecast (2018-2023)

12.2.5 Middle East and Africa IR Spectroscopy Equipment Market Forecast (2018-2023)

12.3 IR Spectroscopy Equipment Market Forecast by Type (2018-2023)

12.3.1 Global IR Spectroscopy Equipment Sales Forecast by Type (2018-2023)

12.3.2 Global IR Spectroscopy Equipment Market Share Forecast by Type (2018-2023)

12.4 IR Spectroscopy Equipment Market Forecast by Application (2018-2023)

12.4.1 Global IR Spectroscopy Equipment Sales Forecast by Application (2018-2023)

12.4.2 Global IR Spectroscopy Equipment Market Share Forecast by Application (2018-2023)

13 SALES CHANNEL, DISTRIBUTORS, TRADERS AND DEALERS

13.1 Sales Channel

13.1.1 Direct Marketing

13.1.2 Indirect Marketing

13.1.3 Marketing Channel Future Trend

13.2 Distributors, Traders and Dealers

14 RESEARCH FINDINGS AND CONCLUSION

15 APPENDIX

15.1 Methodology

15.2 Data Source

List Of Tables

LIST OF TABLES AND FIGURES

Figure IR Spectroscopy Equipment Picture

Table Product Specifications of IR Spectroscopy Equipment

Figure Global IR Spectroscopy Equipment CAGR (%), Y-o-Y Growth (&) and Market Size, 2013-2023 (USD Million)

Figure Global IR Spectroscopy Equipment CAGR (%), Y-o-Y Growth (&) and Market Size, 2013-2023 (Sales)

Figure Global Sales Market Share of IR Spectroscopy Equipment by Types in 2017

Figure Fourier Transform Infrared Spectrometer Picture

Table Major Manufacturers of Fourier Transform Infrared Spectrometer

Figure Near-infrared Spectrometer Picture

Table Major Manufacturers of Near-infrared Spectrometer

Figure Others Picture

Table Major Manufacturers of Others

Figure IR Spectroscopy Equipment Sales Market Share by Applications in 2017

Figure Pharmaceutical Industry Picture

Figure Food and Agriculture Industry Picture

Figure Chemical Industry Picture

Figure Polymer Picture

Figure Oil and Gas Industry Picture

Figure Others Picture

Figure United States IR Spectroscopy Equipment Revenue (Value) and Growth Rate (2013-2023)

Figure Canada IR Spectroscopy Equipment Revenue (Value) and Growth Rate (2013-2023)

Figure Mexico IR Spectroscopy Equipment Revenue (Value) and Growth Rate (2013-2023)

Figure Germany IR Spectroscopy Equipment Revenue (Value) and Growth Rate (2013-2023)

Figure France IR Spectroscopy Equipment Revenue (Value) and Growth Rate (2013-2023)

Figure UK IR Spectroscopy Equipment Revenue (Value) and Growth Rate (2013-2023)

Figure Russia IR Spectroscopy Equipment Revenue (Value) and Growth Rate (2013-2023)

Figure Italy IR Spectroscopy Equipment Revenue (Value) and Growth Rate (2013-2023)

Figure China IR Spectroscopy Equipment Revenue (Value) and Growth Rate

(2013-2023)

Figure Japan IR Spectroscopy Equipment Revenue (Value) and Growth Rate

(2013-2023)

Figure Korea IR Spectroscopy Equipment Revenue (Value) and Growth Rate

(2013-2023)

Figure India IR Spectroscopy Equipment Revenue (Value) and Growth Rate

(2013-2023)

Figure Southeast Asia IR Spectroscopy Equipment Revenue (Value) and Growth Rate

(2013-2023)

Figure Brazil IR Spectroscopy Equipment Revenue (Value) and Growth Rate

(2013-2023)

Figure Egypt IR Spectroscopy Equipment Revenue (Value) and Growth Rate

(2013-2023)

Figure Saudi Arabia IR Spectroscopy Equipment Revenue (Value) and Growth Rate

(2013-2023)

Figure South Africa IR Spectroscopy Equipment Revenue (Value) and Growth Rate

(2013-2023)

Figure Nigeria IR Spectroscopy Equipment Revenue (Value) and Growth Rate

(2013-2023)

Table Thermo Fisher Scientific Headquarter, Established, Main Business and Finance Overview (2017)

Table Thermo Fisher Scientific IR Spectroscopy Equipment Production Bases, Sales Regions and Major Competitors

Table Thermo Fisher Scientific IR Spectroscopy Equipment Product

Table Thermo Fisher Scientific IR Spectroscopy Equipment Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

Figure Global Thermo Fisher Scientific IR Spectroscopy Equipment Sales Market Share in 2017

Figure Global Thermo Fisher Scientific IR Spectroscopy Equipment Revenue Market Share in 2017

Table PerkinElmer Headquarter, Established, Main Business and Finance Overview (2017)

Table PerkinElmer IR Spectroscopy Equipment Production Bases, Sales Regions and Major Competitors

Table PerkinElmer IR Spectroscopy Equipment Product

Table PerkinElmer IR Spectroscopy Equipment Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

Figure Global PerkinElmer IR Spectroscopy Equipment Sales Market Share in 2017

Figure Global PerkinElmer IR Spectroscopy Equipment Revenue Market Share in 2017

Table Shimadzu Headquarter, Established, Main Business and Finance Overview (2017)

Table Shimadzu IR Spectroscopy Equipment Production Bases, Sales Regions and Major Competitors

Table Shimadzu IR Spectroscopy Equipment Product

Table Shimadzu IR Spectroscopy Equipment Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

Figure Global Shimadzu IR Spectroscopy Equipment Sales Market Share in 2017

Figure Global Shimadzu IR Spectroscopy Equipment Revenue Market Share in 2017

Table Bruker Headquarter, Established, Main Business and Finance Overview (2017)

Table Bruker IR Spectroscopy Equipment Production Bases, Sales Regions and Major Competitors

Table Bruker IR Spectroscopy Equipment Product

Table Bruker IR Spectroscopy Equipment Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

Figure Global Bruker IR Spectroscopy Equipment Sales Market Share in 2017

Figure Global Bruker IR Spectroscopy Equipment Revenue Market Share in 2017

Table Agilent Technologies Headquarter, Established, Main Business and Finance Overview (2017)

Table Agilent Technologies IR Spectroscopy Equipment Production Bases, Sales Regions and Major Competitors

Table Agilent Technologies IR Spectroscopy Equipment Product

Table Agilent Technologies IR Spectroscopy Equipment Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

Figure Global Agilent Technologies IR Spectroscopy Equipment Sales Market Share in 2017

Figure Global Agilent Technologies IR Spectroscopy Equipment Revenue Market Share in 2017

Table ABB Headquarter, Established, Main Business and Finance Overview (2017)

Table ABB IR Spectroscopy Equipment Production Bases, Sales Regions and Major Competitors

Table ABB IR Spectroscopy Equipment Product

Table ABB IR Spectroscopy Equipment Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

Figure Global ABB IR Spectroscopy Equipment Sales Market Share in 2017

Figure Global ABB IR Spectroscopy Equipment Revenue Market Share in 2017

Table Foss Headquarter, Established, Main Business and Finance Overview (2017)

Table Foss IR Spectroscopy Equipment Production Bases, Sales Regions and Major Competitors

Table Foss IR Spectroscopy Equipment Product

Table Foss IR Spectroscopy Equipment Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

Figure Global Foss IR Spectroscopy Equipment Sales Market Share in 2017

Figure Global Foss IR Spectroscopy Equipment Revenue Market Share in 2017

Table JASCO Headquarter, Established, Main Business and Finance Overview (2017)

Table JASCO IR Spectroscopy Equipment Production Bases, Sales Regions and Major Competitors

Table JASCO IR Spectroscopy Equipment Product

Table JASCO IR Spectroscopy Equipment Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

Figure Global JASCO IR Spectroscopy Equipment Sales Market Share in 2017

Figure Global JASCO IR Spectroscopy Equipment Revenue Market Share in 2017

Table MKS Instruments Headquarter, Established, Main Business and Finance Overview (2017)

Table MKS Instruments IR Spectroscopy Equipment Production Bases, Sales Regions and Major Competitors

Table MKS Instruments IR Spectroscopy Equipment Product

Table MKS Instruments IR Spectroscopy Equipment Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

Figure Global MKS Instruments IR Spectroscopy Equipment Sales Market Share in 2017

Figure Global MKS Instruments IR Spectroscopy Equipment Revenue Market Share in 2017

Table Sartorius Headquarter, Established, Main Business and Finance Overview (2017)

Table Sartorius IR Spectroscopy Equipment Production Bases, Sales Regions and Major Competitors

Table Sartorius IR Spectroscopy Equipment Product

Table Sartorius IR Spectroscopy Equipment Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

Figure Global Sartorius IR Spectroscopy Equipment Sales Market Share in 2017

Figure Global Sartorius IR Spectroscopy Equipment Revenue Market Share in 2017

Table BÜCHI Labortechnik

Table BÜCHI Labortechnik IR Spectroscopy Equipment

Table Beijing Beifen-Ruili Analytical Instrument

Table Beijing Beifen-Ruili Analytical Instrument IR Spectroscopy Equipment

Table Tianjin Gangdong

Table Tianjin Gangdong IR Spectroscopy Equipment

Table FPI Group

Table FPI Group IR Spectroscopy Equipment

Table Global IR Spectroscopy Equipment Sales by Manufacturer (2016-2017)

Figure Global IR Spectroscopy Equipment Sales Market Share by Manufacturer in 2016

Figure Global IR Spectroscopy Equipment Sales Market Share by Manufacturer in 2017

Table Global IR Spectroscopy Equipment Revenue by Manufacturer (2016-2017)

Figure Global IR Spectroscopy Equipment Revenue Market Share by Manufacturer in 2016

Figure Global IR Spectroscopy Equipment Revenue Market Share by Manufacturer in 2017

Table Global IR Spectroscopy Equipment Price by Manufacturer (2016-2017)

Figure Top 3 IR Spectroscopy Equipment Manufacturer (Revenue) Market Share in 2017

Figure Top 6 IR Spectroscopy Equipment Manufacturer (Revenue) Market Share in 2017

Figure Global IR Spectroscopy Equipment Sales and Growth Rate (2013-2018)

Figure Global IR Spectroscopy Equipment Revenue and Growth Rate (2013-2018)

Table Global IR Spectroscopy Equipment Sales by Regions (2013-2018)

Table Global IR Spectroscopy Equipment Sales Market Share by Regions (2013-2018)

Table Global IR Spectroscopy Equipment Revenue by Regions (2013-2018)

Figure Global IR Spectroscopy Equipment Revenue Market Share by Regions in 2013

Figure Global IR Spectroscopy Equipment Revenue Market Share by Regions in 2017

Figure North America IR Spectroscopy Equipment Sales and Growth Rate (2013-2018)

Figure North America IR Spectroscopy Equipment Revenue and Growth Rate (2013-2018)

Figure Europe IR Spectroscopy Equipment Sales and Growth Rate (2013-2018)

Figure Europe IR Spectroscopy Equipment Revenue and Growth Rate (2013-2018)

Figure Asia-Pacific IR Spectroscopy Equipment Sales and Growth Rate (2013-2018)

Figure Asia-Pacific IR Spectroscopy Equipment Revenue and Growth Rate (2013-2018)

Figure South America IR Spectroscopy Equipment Sales and Growth Rate (2013-2018)

Figure South America IR Spectroscopy Equipment Revenue and Growth Rate (2013-2018)

Figure Middle East and Africa IR Spectroscopy Equipment Sales and Growth Rate (2013-2018)

Figure Middle East and Africa IR Spectroscopy Equipment Revenue and Growth Rate (2013-2018)

Figure North America IR Spectroscopy Equipment Revenue and Growth Rate (2013-2018)

Table North America IR Spectroscopy Equipment Sales by Countries (2013-2018)

Table North America IR Spectroscopy Equipment Sales Market Share by Countries

(2013-2018)

Figure North America IR Spectroscopy Equipment Sales Market Share by Countries in 2013

Figure North America IR Spectroscopy Equipment Sales Market Share by Countries in 2017

Table North America IR Spectroscopy Equipment Revenue by Countries (2013-2018)

Table North America IR Spectroscopy Equipment Revenue Market Share by Countries (2013-2018)

Figure North America IR Spectroscopy Equipment Revenue Market Share by Countries in 2013

Figure North America IR Spectroscopy Equipment Revenue Market Share by Countries in 2017

Figure United States IR Spectroscopy Equipment Sales and Growth Rate (2013-2018)

Figure Canada IR Spectroscopy Equipment Sales and Growth Rate (2013-2018)

Figure Mexico IR Spectroscopy Equipment Sales and Growth Rate (2013-2018)

Table North America IR Spectroscopy Equipment Sales by Manufacturer (2016-2017)

Figure North America IR Spectroscopy Equipment Sales Market Share by Manufacturer in 2016

Figure North America IR Spectroscopy Equipment Sales Market Share by Manufacturer in 2017

Table North America IR Spectroscopy Equipment Revenue by Manufacturer (2016-2017)

Figure North America IR Spectroscopy Equipment Revenue Market Share by Manufacturer in 2016

Figure North America IR Spectroscopy Equipment Revenue Market Share by Manufacturer in 2017

Table North America IR Spectroscopy Equipment Sales by Type (2013-2018)

Table North America IR Spectroscopy Equipment Sales Share by Type (2013-2018)

Table North America IR Spectroscopy Equipment Revenue by Type (2013-2018)

Table North America IR Spectroscopy Equipment Revenue Share by Type (2013-2018)

Table North America IR Spectroscopy Equipment Sales by Application (2013-2018)

Table North America IR Spectroscopy Equipment Sales Share by Application (2013-2018)

Table North America IR Spectroscopy Equipment Revenue by Application (2013-2018)

Table North America IR Spectroscopy Equipment Revenue Share by Application (2013-2018)

Figure Europe IR Spectroscopy Equipment Revenue and Growth Rate (2013-2018)

Table Europe IR Spectroscopy Equipment Sales by Countries (2013-2018)

Table Europe IR Spectroscopy Equipment Sales Market Share by Countries

(2013-2018)

Table Europe IR Spectroscopy Equipment Revenue by Countries (2013-2018)

Figure Europe IR Spectroscopy Equipment Revenue Market Share by Countries in 2016

Figure Europe IR Spectroscopy Equipment Revenue Market Share by Countries in 2017

Figure Germany IR Spectroscopy Equipment Sales and Growth Rate (2013-2018)

Figure UK IR Spectroscopy Equipment Sales and Growth Rate (2013-2018)

Figure France IR Spectroscopy Equipment Sales and Growth Rate (2013-2018)

Figure Russia IR Spectroscopy Equipment Sales and Growth Rate (2013-2018)

Figure Italy IR Spectroscopy Equipment Sales and Growth Rate (2013-2018)

Table Europe IR Spectroscopy Equipment Sales by Manufacturer (2016-2017)

Figure Europe IR Spectroscopy Equipment Sales Market Share by Manufacturer in 2016

Figure Europe IR Spectroscopy Equipment Sales Market Share by Manufacturer in 2017

Table Europe IR Spectroscopy Equipment Revenue by Manufacturer (2016-2017)

Figure Europe IR Spectroscopy Equipment Revenue Market Share by Manufacturer in 2016

Figure Europe IR Spectroscopy Equipment Revenue Market Share by Manufacturer in 2017

Table Europe IR Spectroscopy Equipment Sales by Type (2013-2018)

Table Europe IR Spectroscopy Equipment Sales Share by Type (2013-2018)

Table Europe IR Spectroscopy Equipment Revenue by Type (2013-2018)

Table Europe IR Spectroscopy Equipment Revenue Share by Type (2013-2018)

Table Europe IR Spectroscopy Equipment Sales by Application (2013-2018)

Table Europe IR Spectroscopy Equipment Sales Share by Application (2013-2018)

Table Europe IR Spectroscopy Equipment Revenue by Application (2013-2018)

Table Europe IR Spectroscopy Equipment Revenue Share by Application (2013-2018)

Figure Asia-Pacific IR Spectroscopy Equipment Revenue and Growth Rate (2013-2018)

Table Asia-Pacific IR Spectroscopy Equipment Sales by Countries (2013-2018)

Table Asia-Pacific IR Spectroscopy Equipment Sales Market Share by Countries (2013-2018)

Figure Asia-Pacific IR Spectroscopy Equipment Sales Market Share by Countries 2017

Table Asia-Pacific IR Spectroscopy Equipment Revenue by Countries (2013-2018)

Figure Asia-Pacific IR Spectroscopy Equipment Revenue Market Share by Countries 2017

Figure China IR Spectroscopy Equipment Sales and Growth Rate (2013-2018)

Figure Japan IR Spectroscopy Equipment Sales and Growth Rate (2013-2018)

Figure Korea IR Spectroscopy Equipment Sales and Growth Rate (2013-2018)
Figure India IR Spectroscopy Equipment Sales and Growth Rate (2013-2018)
Figure Southeast Asia IR Spectroscopy Equipment Sales and Growth Rate (2013-2018)
Table Asia-Pacific IR Spectroscopy Equipment Sales by Manufacturer (2016-2017)
Figure Asia-Pacific IR Spectroscopy Equipment Sales Market Share by Manufacturer in 2016
Figure Asia-Pacific IR Spectroscopy Equipment Sales Market Share by Manufacturer in 2017
Table Asia-Pacific IR Spectroscopy Equipment Revenue by Manufacturer (2016-2017)
Figure Asia-Pacific IR Spectroscopy Equipment Revenue Market Share by Manufacturer in 2016
Figure Asia-Pacific IR Spectroscopy Equipment Revenue Market Share by Manufacturer in 2017
Table Asia-Pacific IR Spectroscopy Equipment Sales by Type (2013-2018)
Table Asia-Pacific IR Spectroscopy Equipment Sales Share by Type (2013-2018)
Table Asia-Pacific IR Spectroscopy Equipment Revenue by Type (2013-2018)
Table Asia-Pacific IR Spectroscopy Equipment Revenue Share by Type (2013-2018)
Table Asia-Pacific IR Spectroscopy Equipment Sales by Application (2013-2018)
Table Asia-Pacific IR Spectroscopy Equipment Sales Share by Application (2013-2018)
Table Asia-Pacific IR Spectroscopy Equipment Revenue by Application (2013-2018)
Table Asia-Pacific IR Spectroscopy Equipment Revenue Share by Application (2013-2018)
Figure South America IR Spectroscopy Equipment Revenue and Growth Rate (2013-2018)
Table South America IR Spectroscopy Equipment Sales by Countries (2013-2018)
Table South America IR Spectroscopy Equipment Sales Market Share by Countries (2013-2018)
Figure South America IR Spectroscopy Equipment Sales Market Share by Countries in 2017
Table South America IR Spectroscopy Equipment Revenue by Countries (2013-2018)
Table South America IR Spectroscopy Equipment Revenue Market Share by Countries (2013-2018)
Figure South America IR Spectroscopy Equipment Revenue Market Share by Countries in 2017
Figure Brazil IR Spectroscopy Equipment Sales and Growth Rate (2013-2018)
Figure Argentina IR Spectroscopy Equipment Sales and Growth Rate (2013-2018)
Figure Colombia IR Spectroscopy Equipment Sales and Growth Rate (2013-2018)
Table South America IR Spectroscopy Equipment Sales by Manufacturer (2016-2017)
Figure South America IR Spectroscopy Equipment Sales Market Share by Manufacturer

in 2016

Figure South America IR Spectroscopy Equipment Sales Market Share by Manufacturer in 2017

Table South America IR Spectroscopy Equipment Revenue by Manufacturer (2016-2017)

Figure South America IR Spectroscopy Equipment Revenue Market Share by Manufacturer in 2016

Figure South America IR Spectroscopy Equipment Revenue Market Share by Manufacturer in 2017

Table South America IR Spectroscopy Equipment Sales by Type (2013-2018)

Table South America IR Spectroscopy Equipment Sales Share by Type (2013-2018)

Table South America IR Spectroscopy Equipment Revenue by Type (2013-2018)

Table South America IR Spectroscopy Equipment Revenue Share by Type (2013-2018)

Table South America IR Spectroscopy Equipment Sales by Application (2013-2018)

Table South America IR Spectroscopy Equipment Sales Share by Application (2013-2018)

Table South America IR Spectroscopy Equipment Revenue by Application (2013-2018)

Table South America IR Spectroscopy Equipment Revenue Share by Application (2013-2018)

Figure Middle East and Africa IR Spectroscopy Equipment Revenue and Growth Rate (2013-2018)

Table Middle East and Africa IR Spectroscopy Equipment Sales by Countries (2013-2018)

Table Middle East and Africa IR Spectroscopy Equipment Sales Market Share by Countries (2013-2018)

Figure Middle East and Africa IR Spectroscopy Equipment Sales Market Share by Countries in 2017

Table Middle East and Africa IR Spectroscopy Equipment Revenue by Countries (2013-2018)

Table Middle East and Africa IR Spectroscopy Equipment Revenue Market Share by Countries (2013-2018)

Figure Middle East and Africa IR Spectroscopy Equipment Revenue Market Share by Countries in 2013

Figure Middle East and Africa IR Spectroscopy Equipment Revenue Market Share by Countries in 2017

Figure Saudi Arabia IR Spectroscopy Equipment Sales and Growth Rate (2013-2018)

Figure UAE IR Spectroscopy Equipment Sales and Growth Rate (2013-2018)

Figure Egypt IR Spectroscopy Equipment Sales and Growth Rate (2013-2018)

Figure Nigeria IR Spectroscopy Equipment Sales and Growth Rate (2013-2018)

Figure South Africa IR Spectroscopy Equipment Sales and Growth Rate (2013-2018)

Table Middle East and Africa IR Spectroscopy Equipment Sales by Manufacturer (2016-2017)

Figure Middle East and Africa IR Spectroscopy Equipment Sales Market Share by Manufacturer in 2016

Figure Middle East and Africa IR Spectroscopy Equipment Sales Market Share by Manufacturer in 2017

Table Middle East and Africa IR Spectroscopy Equipment Revenue by Manufacturer (2016-2017)

Figure Middle East and Africa IR Spectroscopy Equipment Revenue Market Share by Manufacturer in 2016

Figure Middle East and Africa IR Spectroscopy Equipment Revenue Market Share by Manufacturer in 2017

Table Middle East and Africa IR Spectroscopy Equipment Sales by Type (2013-2018)

Table Middle East and Africa IR Spectroscopy Equipment Sales Share by Type (2013-2018)

Table Middle East and Africa IR Spectroscopy Equipment Revenue by Type (2013-2018)

Table Middle East and Africa IR Spectroscopy Equipment Revenue Share by Type (2013-2018)

Table Middle East and Africa IR Spectroscopy Equipment Sales by Application (2013-2018)

Table Middle East and Africa IR Spectroscopy Equipment Sales Share by Application (2013-2018)

Table Middle East and Africa IR Spectroscopy Equipment Revenue by Application (2013-2018)

Table Middle East and Africa IR Spectroscopy Equipment Revenue Share by Application (2013-2018)

Table Global IR Spectroscopy Equipment Sales by Type (2013-2018)

Table Global IR Spectroscopy Equipment Sales Share by Type (2013-2018)

Table Global IR Spectroscopy Equipment Revenue by Type (2013-2018)

Table Global IR Spectroscopy Equipment Revenue Share by Type (2013-2018)

Figure Global Fourier Transform Infrared Spectrometer Sales Growth (2013-2018)

Figure Global Fourier Transform Infrared Spectrometer Price (2013-2018)

Figure Global Near-infrared Spectrometer Sales Growth (2013-2018)

Figure Global Near-infrared Spectrometer Price (2013-2018)

Figure Global Others Sales Growth (2013-2018)

Figure Global Others Price (2013-2018)

Table Global IR Spectroscopy Equipment Sales by Application (2013-2018)

Table Global IR Spectroscopy Equipment Sales Share by Application (2013-2018)

Figure Global Pharmaceutical Industry Sales Growth (2013-2018)

Figure Global Food and Agriculture Industry Sales Growth (2013-2018)

Figure Global Chemical Industry Sales Growth (2013-2018)

Figure Global Polymer Sales Growth (2013-2018)

Figure Global Oil and Gas Industry Sales Growth (2013-2018)

Figure Global Others Sales Growth (2013-2018)

Figure Global IR Spectroscopy Equipment Sales, Revenue and Growth Rate
(2018-2023)

Table Global IR Spectroscopy Equipment Sales Forecast by Regions (2018-2023)

Table Global IR Spectroscopy Equipment Market Share Forecast by Regions
(2018-2023)

Figure North America Sales IR Spectroscopy Equipment Market Forecast (2018-2023)

Figure Europe Sales IR Spectroscopy Equipment Market Forecast (2018-2023)

Figure Asia-Pacific Sales IR Spectroscopy Equipment Market Forecast (2018-2023)

Figure South America Sales IR Spectroscopy Equipment Market Forecast (2018-2023)

Figure Middle East and Africa Sales IR Spectroscopy Equipment Market Forecast
(2018-2023)

Table Global IR Spectroscopy Equipment Sales Forecast by Type (2018-2023)

Table Global IR Spectroscopy Equipment Market Share Forecast by Type (2018-2023)

Table Global IR Spectroscopy Equipment Sales Forecast by Application (2018-2023)

Table Global IR Spectroscopy Equipment Market Share Forecast by Application
(2018-2023)

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