

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

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