

# Global X-ray Photoelectron Spectroscopy (XPS) Market by Manufacturers, Regions, Type and Application, Forecast to 2021

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## Abstracts

X-ray photoelectron spectroscopy (XPS) is a surface-sensitive quantitative spectroscopic technique that measures the elemental composition at the parts per thousand range, empirical formula, chemical state and electronic state of the elements that exist within a material. XPS spectra are obtained by irradiating a material with a beam of X-rays while simultaneously measuring the kinetic energy and number of electrons that escape from the top 0 to 10 nm of the material being analyzed. XPS requires high vacuum ( $P \sim 10^{-8}$  millibar) or ultra-high vacuum (UHV;  $P$

### SCOPE OF THE REPORT:

This report focuses on the X-ray Photoelectron Spectroscopy (XPS) in Global market, especially in North America, Europe and Asia-Pacific, Latin America, Middle East and Africa. This report categorizes the market based on manufacturers, regions, type and application.

Market Segment by Manufacturers, this report covers

Kratos Analytical

ThermoFisher Scientific

ULVAC

Scienta Omicron

JEOL

ReVera Incorporated

VSW

STAIB Instruments

Market Segment by Regions, regional analysis covers

North America (USA, Canada and Mexico)

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

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

Latin America, Middle East and Africa

Market Segment by Type, covers

Monochromatic

Non-monochromatic

Market Segment by Applications, can be divided into

Biomedicine

Chemical

Material

Electronic

Others

There are 13 Chapters to deeply display the global X-ray Photoelectron Spectroscopy

*Global X-ray Photoelectron Spectroscopy (XPS) Market by Manufacturers, Regions, Type and Application, Forecast...*

(XPS) market.

Chapter 1, to describe X-ray Photoelectron Spectroscopy (XPS) Introduction, product scope, market overview, market opportunities, market risk, market driving force;

Chapter 2, to analyze the top manufacturers of X-ray Photoelectron Spectroscopy (XPS), with sales, revenue, and price of X-ray Photoelectron Spectroscopy (XPS), in 2015 and 2016;

Chapter 3, to display the competitive situation among the top manufacturers, with sales, revenue and market share in 2015 and 2016;

Chapter 4, to show the global market by regions, with sales, revenue and market share of X-ray Photoelectron Spectroscopy (XPS), for each region, from 2011 to 2016;

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

Chapter 9 and 10, to show the market by type and application, with sales market share and growth rate by type, application, from 2011 to 2016;

Chapter 11, X-ray Photoelectron Spectroscopy (XPS) market forecast, by regions, type and application, with sales and revenue, from 2016 to 2021;

Chapter 12 and 13, to describe X-ray Photoelectron Spectroscopy (XPS) sales channel, distributors, traders, dealers, appendix and data source.

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