

# Global X-ray Photoelectron Spectroscopy (XPS) Supply, Demand and Key Producers, 2026-2032

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## Abstracts

The global X-ray Photoelectron Spectroscopy (XPS) market size is expected to reach \$ 961 million by 2032, rising at a market growth of 1.9% CAGR during the forecast period (2026-2032).

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;  $P \sim 10^{-10}$  millibar). XPS can be used to analyze the surface chemistry of a material in its as-received state, or after some treatment, for example: fracturing, cutting or scraping in air or UHV to expose the bulk chemistry, ion beam etching to clean off some or all of the surface contamination (with mild ion etching) or to intentionally expose deeper layers of the sample (with more extensive ion etching) in depth-profiling XPS, exposure to heat to study the changes due to heating, exposure to reactive gases or solutions, exposure to ion beam implant, exposure to ultraviolet light.

XPS is also known as ESCA (Electron Spectroscopy for Chemical Analysis).

USA is the largest market with about 39% market share. Europe and Japan are follower.

The main manufacturers are Kratos Analytical, ThermoFisher Scientific, ULVAC, Scienta Omicron, JEOL, ReVera Incorporated, VSW, STAIB Instruments etc. Kratos

Analytical is the largest manufacturer with about 19% revenue market share.

This report studies the global X-ray Photoelectron Spectroscopy (XPS) production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for X-ray Photoelectron Spectroscopy (XPS) and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of X-ray Photoelectron Spectroscopy (XPS) that contribute to its increasing demand across many markets.

### **Highlights and key features of the study**

Global X-ray Photoelectron Spectroscopy (XPS) total production and demand, 2021-2032, (Units)

Global X-ray Photoelectron Spectroscopy (XPS) total production value, 2021-2032, (USD Million)

Global X-ray Photoelectron Spectroscopy (XPS) production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Units), (based on production site)

Global X-ray Photoelectron Spectroscopy (XPS) consumption by region & country, CAGR, 2021-2032 & (Units)

U.S. VS China: X-ray Photoelectron Spectroscopy (XPS) domestic production, consumption, key domestic manufacturers and share

Global X-ray Photoelectron Spectroscopy (XPS) production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Units)

Global X-ray Photoelectron Spectroscopy (XPS) production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Units)

Global X-ray Photoelectron Spectroscopy (XPS) production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Units)

This report profiles key players in the global X-ray Photoelectron Spectroscopy (XPS) market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Kratos Analytical, ThermoFisher Scientific, ULVAC, Scienta Omicron, JEOL, ReVera Incorporated, VSW, STAIB Instruments, etc.

This report also provides key insights about market drivers, restraints, opportunities,

new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World X-ray Photoelectron Spectroscopy (XPS) market

### **Detailed Segmentation:**

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Units) and average price (USD/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global X-ray Photoelectron Spectroscopy (XPS) Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global X-ray Photoelectron Spectroscopy (XPS) Market, Segmentation by Type:

Monochromatic

Non-monochromatic

## Global X-ray Photoelectron Spectroscopy (XPS) Market, Segmentation by Application:

Biomedicine

Chemical

Material

Electronic

Others

## Companies Profiled:

Kratos Analytical

ThermoFisher Scientific

ULVAC

Scienta Omicron

JEOL

ReVera Incorporated

VSW

STAIB Instruments

## Key Questions Answered:

1. How big is the global X-ray Photoelectron Spectroscopy (XPS) market?
2. What is the demand of the global X-ray Photoelectron Spectroscopy (XPS) market?
3. What is the year over year growth of the global X-ray Photoelectron Spectroscopy (XPS) market?
4. What is the production and production value of the global X-ray Photoelectron Spectroscopy (XPS) market?

5. Who are the key producers in the global X-ray Photoelectron Spectroscopy (XPS) market?
6. What are the growth factors driving the market demand?

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