

# Energy-Dispersive X-Ray Fluorescence (EDXRF) Spectrometer Market, Global Outlook and Forecast 2022-2028

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## Abstracts

X-ray fluorescence (XRF) spectrometry is a non-destructive analytical technique used to obtain elemental information from different types of materials. Spectrometer systems are generally divided into two main groups: wavelength dispersive systems (WDXRF) and energy dispersive systems (EDXRF). The difference between the two lies in the detection system. The basic concept of all spectrometers is a radiation source, a sample and a detection system. In EDXRF spectrometers, the X-ray tube acting as a source irradiates a sample directly, and the fluorescence coming from the sample is measured with an energy dispersive detector. This detector is able to measure the different energies of the characteristic radiation coming directly from the sample. The detector can separate the radiation from the sample into the radiation from the different elements present in the sample. This separation is called dispersion. ?

This report contains market size and forecasts of Energy-Dispersive X-Ray Fluorescence (EDXRF) Spectrometer in global, including the following market information:

Global Energy-Dispersive X-Ray Fluorescence (EDXRF) Spectrometer Market Revenue, 2017-2022, 2023-2028, (\$ millions)

Global Energy-Dispersive X-Ray Fluorescence (EDXRF) Spectrometer Market Sales, 2017-2022, 2023-2028, (K Units)

Global top five Energy-Dispersive X-Ray Fluorescence (EDXRF) Spectrometer companies in 2021 (%)

The global Energy-Dispersive X-Ray Fluorescence (EDXRF) Spectrometer market was valued at million in 2021 and is projected to reach US\$ million by 2028, at a CAGR of % during the forecast period.

The U.S. Market is Estimated at \$ Million in 2021, While China is Forecast to Reach \$ Million by 2028.

Portable Segment to Reach \$ Million by 2028, with a % CAGR in next six years.

The global key manufacturers of Energy-Dispersive X-Ray Fluorescence (EDXRF) Spectrometer include Jeol, Malvern Panalytical, Shimadzu, Xenometrix, Skyray Instrument, Bruker AXS GmbH, Due2lab, Helmut Fischer and Hitachi High-Tech Analytical Science, etc. In 2021, the global top five players have a share approximately % in terms of revenue.

MARKET MONITOR GLOBAL, INC (MMG) has surveyed the Energy-Dispersive X-Ray Fluorescence (EDXRF) Spectrometer manufacturers, suppliers, distributors and industry experts on this industry, involving the sales, revenue, demand, price change, product type, recent development and plan, industry trends, drivers, challenges, obstacles, and potential risks.

Total Market by Segment:

Global Energy-Dispersive X-Ray Fluorescence (EDXRF) Spectrometer Market, by Type, 2017-2022, 2023-2028 (\$ Millions) & (K Units)

Global Energy-Dispersive X-Ray Fluorescence (EDXRF) Spectrometer Market Segment Percentages, by Type, 2021 (%)

Portable

Desktop

Global Energy-Dispersive X-Ray Fluorescence (EDXRF) Spectrometer Market, by Application, 2017-2022, 2023-2028 (\$ Millions) & (K Units)

Global Energy-Dispersive X-Ray Fluorescence (EDXRF) Spectrometer Market Segment Percentages, by Application, 2021 (%)

Environmental Analysis

Laboratory

Pharmaceutical Industry

Food Industry

Others

Global Energy-Dispersive X-Ray Fluorescence (EDXRF) Spectrometer Market, By Region and Country, 2017-2022, 2023-2028 (\$ Millions) & (K Units)

Global Energy-Dispersive X-Ray Fluorescence (EDXRF) Spectrometer Market Segment Percentages, By Region and Country, 2021 (%)

North America

US

Canada

Mexico

Europe

Germany

France

U.K.

Italy

Russia

Nordic Countries

Benelux

Rest of Europe

Asia

China

Japan

South Korea

Southeast Asia

India

Rest of Asia

South America

Brazil

Argentina

Rest of South America

Middle East & Africa

Turkey

Israel

Saudi Arabia

UAE

Rest of Middle East & Africa

## Competitor Analysis

The report also provides analysis of leading market participants including:

Key companies Energy-Dispersive X-Ray Fluorescence (EDXRF) Spectrometer revenues in global market, 2017-2022 (Estimated), (\$ millions)

Key companies Energy-Dispersive X-Ray Fluorescence (EDXRF) Spectrometer revenues share in global market, 2021 (%)

Key companies Energy-Dispersive X-Ray Fluorescence (EDXRF) Spectrometer sales in global market, 2017-2022 (Estimated), (K Units)

Key companies Energy-Dispersive X-Ray Fluorescence (EDXRF) Spectrometer sales share in global market, 2021 (%)

Further, the report presents profiles of competitors in the market, key players include:

Jeol

Malvern Panalytical

Shimadzu

Xenometrix

Skyray Instrument

Bruker AXS GmbH

Due2lab

Helmut Fischer

Hitachi High-Tech Analytical Science

Rigaku

Spectro Analytical Instruments

Thermo Fisher Scientific

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