

# Global Metal-Organic Frameworks (MOF) Market Growth 2025-2031

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## Abstracts

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The global Metal-Organic Frameworks (MOF) market size is predicted to grow from US\$ 543 million in 2025 to US\$ 1676 million in 2031; it is expected to grow at a CAGR of 20.7% from 2025 to 2031.

Metal Organic Frameworks (MOFs) also called as Porous Coordination Polymers (PCPs) or coordination networks are crystalline material that can be readily self-assembled from metal ions or metal clusters with organic ligands. They display permanent porosity with the enormous internal surface area and large structural diversity and thus lead to a wide spectrum of applications including gas capture and storage, molecule separations, ion-exchange, drug delivery, sensing, catalysis, luminescence. Metal-organic frameworks (MOFs) are (often) crystalline materials that possess nanometer-sized cavities and exhibit large internal surface areas (>7000 m<sup>2</sup>/g) decorable with functional groups. MOFs are synthesized modularly from molecular building blocks: organic linker molecules and inorganic nodes. owing to the (i) abundance of compatible molecular building blocks, (ii) many topologies in which the building blocks assemble, and (iii) post-synthetic modifiability, the number of possible MOF structures is practically limitless.

Global key players of metal-organic frameworks (MOF) include BASF, MOFapps and Strem Chemicals. The top three players hold a share about 97%. Europe is the largest production region, with a market share of over 95%. In terms of product, zinc-based is the largest segment, with a share about 17%. And in terms of application, the largest application is gas storage, with a share about 61%.

LP Information, Inc. (LPI) ' newest research report, the “Metal-Organic Frameworks (MOF) Industry Forecast” looks at past sales and reviews total world Metal-Organic Frameworks (MOF) sales in 2024, providing a comprehensive analysis by region and market sector of projected Metal-Organic Frameworks (MOF) sales for 2025 through 2031. With Metal-Organic Frameworks (MOF) sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Metal-Organic Frameworks (MOF) industry.

This Insight Report provides a comprehensive analysis of the global Metal-Organic Frameworks (MOF) landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Metal-Organic Frameworks (MOF) portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Metal-Organic Frameworks (MOF) market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Metal-Organic Frameworks (MOF) and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Metal-Organic Frameworks (MOF).

This report presents a comprehensive overview, market shares, and growth opportunities of Metal-Organic Frameworks (MOF) market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Zinc-Based

Copper-Based

Iron-Based

Aluminum-Based

Magnesium-Based

Others

Segmentation by Application:

Gas Storage

Adsorption Separation

Catalytic

Others

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its market penetration.

BASF

MOFapps

Strem Chemicals

MOF Technologies

Framergy

Atomis Inc.

### Key Questions Addressed in this Report

What is the 10-year outlook for the global Metal-Organic Frameworks (MOF) market?

What factors are driving Metal-Organic Frameworks (MOF) market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Metal-Organic Frameworks (MOF) market opportunities vary by end market size?

How does Metal-Organic Frameworks (MOF) break out by Type, by Application?

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