

# Global Membrane Electrode Assemblies (MEA) Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

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## Abstracts

According to our (Global Info Research) latest study, the global Membrane Electrode Assemblies (MEA) market size was valued at USD 533.2 million in 2023 and is forecast to a readjusted size of USD 2082.5 million by 2030 with a CAGR of 21.5% during review period.

The Membrane Electrode Assembly (MEA) is the core component of a fuel cell that helps produce the electrochemical reaction needed to separate electrons. On the anode side of the MEA, a fuel (hydrogen, methanol etc.) diffuses through the membrane and is met on the cathode end by an oxidant (oxygen or air) which bonds with the fuel and receives the electrons that were separated from the fuel. Catalysts on each side enable reactions and the membrane allows protons to pass through while keeping the gases separate. In this way cell potential is maintained and current is drawn from the cell producing electricity.

Global main manufacturers of membrane electrode assemblies (MEA) include Hyundai Mobis, Toyota, Johnson Matthey, SinoHyKey Technology, etc. The top four players hold a share about 68%. The global membrane electrode assemblies (MEA) are mainly produced in South Korea and Japan, they occupied for a share over 50%. Asia-Pacific is the largest market, has a share about 73%, followed by Europe and North America, with share 14% and 13%, separately.

The Global Info Research report includes an overview of the development of the Membrane Electrode Assemblies (MEA) industry chain, the market status of Hydrogen Fuel Cells (5-layer MEA, 7-layer MEA), Methanol Fuel Cells (5-layer MEA, 7-layer MEA), and key enterprises in developed and developing market, and analysed the

cutting-edge technology, patent, hot applications and market trends of Membrane Electrode Assemblies (MEA).

Regionally, the report analyzes the Membrane Electrode Assemblies (MEA) markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global Membrane Electrode Assemblies (MEA) market, with robust domestic demand, supportive policies, and a strong manufacturing base.

Key Features:

The report presents comprehensive understanding of the Membrane Electrode Assemblies (MEA) market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the Membrane Electrode Assemblies (MEA) industry.

The report involves analyzing the market at a macro level:

**Market Sizing and Segmentation:** Report collect data on the overall market size, including the sales quantity (K Units), revenue generated, and market share of different by Type (e.g., 5-layer MEA, 7-layer MEA).

**Industry Analysis:** Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the Membrane Electrode Assemblies (MEA) market.

**Regional Analysis:** The report involves examining the Membrane Electrode Assemblies (MEA) market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

**Market Projections:** Report covers the gathered data and analysis to make future projections and forecasts for the Membrane Electrode Assemblies (MEA) market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Membrane Electrode Assemblies

(MEA):

**Company Analysis:** Report covers individual Membrane Electrode Assemblies (MEA) manufacturers, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

**Consumer Analysis:** Report covers data on consumer behaviour, preferences, and attitudes towards Membrane Electrode Assemblies (MEA) This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Hydrogen Fuel Cells, Methanol Fuel Cells).

**Technology Analysis:** Report covers specific technologies relevant to Membrane Electrode Assemblies (MEA). It assesses the current state, advancements, and potential future developments in Membrane Electrode Assemblies (MEA) areas.

**Competitive Landscape:** By analyzing individual companies, suppliers, and consumers, the report present insights into the competitive landscape of the Membrane Electrode Assemblies (MEA) market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

**Market Validation:** The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

## Market Segmentation

Membrane Electrode Assemblies (MEA) market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

### Market segment by Type

5-layer MEA

7-layer MEA

3-layer MEA

## Market segment by Application

Hydrogen Fuel Cells

Methanol Fuel Cells

Others

## Major players covered

Hyundai Mobis

Toyota

Johnson Matthey

SinoHyKey Technology

Ballard

Greenerity

Gore

Tangfeng

Horizon

Hydrogine Technology

WUT HyPower

Advent Technologies

IRD Fuel Cells

Honda

Sunrise

HyPlat

Market segment by region, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

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

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Membrane Electrode Assemblies (MEA) product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Membrane Electrode Assemblies (MEA), with price, sales, revenue and global market share of Membrane Electrode Assemblies (MEA) from 2019 to 2024.

Chapter 3, the Membrane Electrode Assemblies (MEA) competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Membrane Electrode Assemblies (MEA) breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2019 to 2030.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2019 to 2030.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value and market share for key countries in the world, from 2017 to 2023. and Membrane Electrode Assemblies (MEA) market forecast, by regions, type and application, with sales and revenue, from 2025 to 2030.

Chapter 12, market dynamics, drivers, restraints, trends and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Membrane Electrode Assemblies (MEA).

Chapter 14 and 15, to describe Membrane Electrode Assemblies (MEA) sales channel, distributors, customers, research findings and conclusion.

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