

Global Matrix Converter 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 Matrix Converter market size was valued at USD 620.5 million in 2023 and is forecast to a readjusted size of USD 807.1 million by 2030 with a CAGR of 3.8% during review period.

Matrix Converter is defined as a converter with a single stage of conversion. It utilizes bidirectional controlled switch to achieve automatic conversion of power from AC to AC. It provides an alternative to PWM voltage rectifier doublesided.

Currently, only Yaskawa and Fuji Electric have commercially produced Matrix Converter products. Manufacturers like ABB believe that the MC technology is attractive, but it requires more research before it can be fully explored for industrial applications.

In the global market, the core manufacturers of Matrix Converters are Yaskawa and Fuji Electric, with the top two companies in the industry accounting for more than 99% of the market share. North America, Europe, Japan, and China are the main production regions for this product, and they all occupy about 20% of the global market share. The product is categorised into low voltage converters and medium voltage converters based on the product type. The products are widely used in general machinery, HVAC and compressors, cranes and hoists, pumps and fans, oil and gas, new energy and other industries.

The Global Info Research report includes an overview of the development of the Matrix Converter industry chain, the market status of General-purpose Machinery (Low Voltage Converter, Medium Voltage Converter), HVAC and Compressors (Low Voltage Converter, Medium Voltage Converter), and key enterprises in developed and

developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Matrix Converter.

Regionally, the report analyzes the Matrix Converter 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 Matrix Converter market, with robust domestic demand, supportive policies, and a strong manufacturing base.

Key Features:

The report presents comprehensive understanding of the Matrix Converter 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 Matrix Converter 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., Low Voltage Converter, Medium Voltage Converter).

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 Matrix Converter market.

Regional Analysis: The report involves examining the Matrix Converter 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 Matrix Converter market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Matrix Converter:

Company Analysis: Report covers individual Matrix Converter 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 Matrix Converter. This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (General-purpose Machinery, HVAC and Compressors).

Technology Analysis: Report covers specific technologies relevant to Matrix Converter. It assesses the current state, advancements, and potential future developments in Matrix Converter areas.

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report presents insights into the competitive landscape of the Matrix Converter 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

Matrix Converter 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

Low Voltage Converter

Medium Voltage Converter

Market segment by Application

General-purpose Machinery

HVAC and Compressors

Cranes and Hoists

Pumps and Fans

Oil & gas

New Energy

Others

Major players covered

Yaskawa

Fuji Electric

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 Matrix Converter product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Matrix Converter, with price, sales, revenue and global market share of Matrix Converter from 2019 to 2024.

Chapter 3, the Matrix Converter competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Matrix Converter 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 Matrix Converter 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 Matrix Converter.

Chapter 14 and 15, to describe Matrix Converter sales channel, distributors, customers, research findings and conclusion.

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