

Global Artificial Intelligence (AI) in Manufacturing Market 2024 by Company, Regions, Type and Application, Forecast to 2030

<https://marketpublishers.com/r/G54541E36D1EEN.html>

Date: August 2024

Pages: 101

Price: US\$ 3,480.00 (Single User License)

ID: G54541E36D1EEN

Abstracts

According to our (Global Info Research) latest study, the global Artificial Intelligence (AI) in Manufacturing market size was valued at USD 2608.7 million in 2023 and is forecast to a readjusted size of USD 3243 million by 2030 with a CAGR of 3.2% during review period.

Artificial Intelligence (AI) is one of the most exciting technologies of the 21st century and has been the subject of debate across various business sectors. AI has several industrial applications where production plants can operate without human supervision. The machinery and equipment that are AI-enabled can function by acquiring human intelligence abilities. Supply chains in manufacturing are quickly adapting AI technologies as part of their digitization strategies. AI in supply chains helps in organizing and analysing data, which helps decision making problems, ranging from logistics to warehousing.

As an important force driving a new round of scientific and technological revolution, artificial intelligence has been of national strategic importance. Many governments introduces polices and increase capital investment to support AI companies. The Digital Europe plan adopted by the European Union will allocate ?9.2 billion on high-tech investments, such as supercomputing, artificial intelligence, and network security. In order to maintain its leading position, the United States will increase its investment in artificial intelligence research and development in non-defense fields, from US\$1.6 billion to US\$1.7 billion in 2022. According to the latest data released by IDC, global artificial intelligence revenue was US\$432.8 billion in 2022, a year-on-year increase of 19.47%, including software, hardware and services.

The Global Info Research report includes an overview of the development of the Artificial Intelligence (AI) in Manufacturing industry chain, the market status of Automobile (Hardware, Software), Energy and Power (Hardware, Software), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Artificial Intelligence (AI) in Manufacturing.

Regionally, the report analyzes the Artificial Intelligence (AI) in Manufacturing 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 Artificial Intelligence (AI) in Manufacturing market, with robust domestic demand, supportive policies, and a strong manufacturing base.

Key Features:

The report presents comprehensive understanding of the Artificial Intelligence (AI) in Manufacturing 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 Artificial Intelligence (AI) in Manufacturing 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 revenue generated, and market share of different by Type (e.g., Hardware, Software).

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 Artificial Intelligence (AI) in Manufacturing market.

Regional Analysis: The report involves examining the Artificial Intelligence (AI) in Manufacturing 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 Artificial Intelligence (AI) in Manufacturing market. This

may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Artificial Intelligence (AI) in Manufacturing:

Company Analysis: Report covers individual Artificial Intelligence (AI) in Manufacturing players, 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 Artificial Intelligence (AI) in Manufacturing. This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Automobile, Energy and Power).

Technology Analysis: Report covers specific technologies relevant to Artificial Intelligence (AI) in Manufacturing. It assesses the current state, advancements, and potential future developments in Artificial Intelligence (AI) in Manufacturing areas.

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report presents insights into the competitive landscape of the Artificial Intelligence (AI) in Manufacturing 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

Artificial Intelligence (AI) in Manufacturing 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 value.

Market segment by Type

Hardware

Software

Services

Market segment by Application

Automobile

Energy and Power

Pharmaceuticals

Heavy Metals and Machine Manufacturing

Semiconductors and Electronics

Food & Beverages

Market segment by players, this report covers

Intel

IBM

Siemens

GE

Google

Microsoft

Micron Technology

Amazon Web Services (AWS)

Nvidia

Sight Machine

Market segment by regions, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, UK, Russia, Italy, and Rest of Europe)

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

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

Middle East & Africa (Turkey, Saudi Arabia, UAE, Rest of Middle East & Africa)

The content of the study subjects, includes a total of 13 chapters:

Chapter 1, to describe Artificial Intelligence (AI) in Manufacturing product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top players of Artificial Intelligence (AI) in Manufacturing, with revenue, gross margin and global market share of Artificial Intelligence (AI) in Manufacturing from 2019 to 2024.

Chapter 3, the Artificial Intelligence (AI) in Manufacturing competitive situation, revenue and global market share of top players are analyzed emphatically by landscape contrast.

Chapter 4 and 5, to segment the market size by Type and application, with consumption value and growth rate by Type, application, from 2019 to 2030.

Chapter 6, 7, 8, 9, and 10, to break the market size data at the country level, with revenue and market share for key countries in the world, from 2019 to 2024. and Artificial Intelligence (AI) in Manufacturing market forecast, by regions, type and application, with consumption value, from 2025 to 2030.

Chapter 11, market dynamics, drivers, restraints, trends and Porters Five Forces

analysis.

Chapter 12, the key raw materials and key suppliers, and industry chain of Artificial Intelligence (AI) in Manufacturing.

Chapter 13, to describe Artificial Intelligence (AI) in Manufacturing research findings and conclusion.

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