

AI (Artificial Intelligence) in the Global Manufacturing Market

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Abstracts

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The future of AI (Artificial intelligence) in the global manufacturing market looks promising with opportunities in the energy and power, automotive, food & beverage, semiconductor and electronics, heavy metal, machine manufacturing, and pharmaceutical industries. AI in the global manufacturing market is expected to grow with a CAGR of 56% to 58% from 2021 to 2026. The major drivers for this market are evolving Industrial IoT and automation, rapid technology development in artificial intelligence and robotics, and adoption of smart factories by industry players.

A more than 150 page report is developed to help in your business decisions. Sample figures with some insights are shown below. To learn the scope of, benefits, companies researched and other details of AI in manufacturing market report download the report brochure.

The study includes trends and forecasts for the global AI in manufacturing market by offering, technology, application, end use industry, and region as follows:

By Offering [\$M shipment analysis for 2015 – 2026]:

HardwareProcessorMemoryNetworkSoftwareAI SolutionsAI
PlatformServicesDeployment & IntegrationSupport & Maintenance

By Technology [\$M shipment analysis for 2015 – 2026]:

Machine LearningDeep LearningSupervised LearningReinforced LearningUnsupervised

Learning Others Natural Language Processing Context-aware
Computing Computer Vision

By Application [\$M shipment analysis for 2015 – 2026]:

Predictive Maintenance and Machinery Inspection Material Movement Production
Planning Field Services Quality Control Cybersecurity Industrial Robots Reclamation

By End Use Industry [\$M shipment analysis for 2015 – 2026]:

Automobile Energy and Power Pharmaceuticals Heavy Metals and Machine
Manufacturing Semiconductors and Electronics Food & Beverages Others

By Region [\$M shipment analysis for 2015 – 2026]:

North America United States Canada Mexico Europe Germany United
Kingdom France Italy Asia Pacific China Japan India South Korea The Rest of the World

Machine learning technology will remain the largest segment due to the capability to collect and handle big data, large memory requirement in modern vehicles, and demand to improve productivity in many end use industries.

Predictive maintenance and machinery inspection will remain the largest application segment during the forecast period due to increase in industrial internet of things and increasing use of big data.

Asia Pacific will remain the largest region during the forecast period due to the large presence of major players, growing automobile, electronics, and semiconductor markets, and demand for industrial robots.

Some of the AI in manufacturing companies profiled in this report include Google, Siemens, NVIDIA, General Vision, Darktrace, AlBrain, Oracle, Cisco Systems, General Electric, and Microsoft.

Features of AI in Manufacturing Market

Market Size Estimates: AI in manufacturing market size estimation in terms of value (\$M) Trend and Forecast Analysis: Market trends (2015-2020) and forecast (2021-2026) by various segments and regions. Segmentation Analysis: Market size by offering,

technology, application, and end use industry
Regional Analysis: AI in manufacturing market breakdown by North America, Europe, Asia Pacific, and the Rest of the World.
Growth Opportunities: Analysis on growth opportunities in different end use industries, application, offering, technology, and regions for AI in manufacturing market.
Strategic Analysis: This includes M&A, new product development, and competitive landscape for the AI in manufacturing market.
Analysis of competitive intensity of the industry based on Porter's Five Forces model.

This report answers following 11 key questions

Q.1 What are some of the most promising potential, high-growth opportunities for AI in the global manufacturing market by offering (hardware, software, and services), technology (machine learning, context-aware computing, natural language processing, and computer vision), application (production planning, predictive maintenance and machinery inspection, material movement, quality control, field services, cybersecurity, industrial robots, reclamation, and others), end –use industry (energy and power, automotive, food & beverages, semiconductors and electronics, heavy metals and machine manufacturing, pharmaceuticals, and others), and region (North America, Europe, Asia Pacific, and the Rest of the World)?

Q.2 Which segments will grow at a faster pace and why?

Q.3 Which regions will grow at a faster pace and why?

Q.4 What are the key factors affecting market dynamics? What are the drivers and challenges of AI in the manufacturing market?

Q.5 What are the business risks and threats to the AI in manufacturing market?

Q.6 What are the emerging trends of AI in the manufacturing market and the reasons behind them?

Q.7 What are some changing demands of customers for AI in the manufacturing market?

Q.8 What are the new developments in AI in the manufacturing market? Which companies are leading these developments?

Q.9 Who are the major AI players in the manufacturing market? What strategic initiatives are being implemented by key players for business growth?

Q.10 What are some of the competitive products and processes in AI in the manufacturing market, and how big of a threat do they pose for loss of market share via material or product substitution?

Q.11 What M&A activities did take place in the last five years in the manufacturing market in terms of AI use?

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