

Manufacturing Operations Management Software Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

Market Report | 2023-11-24 | 141 pages | IMARC Group

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Report description:

The global manufacturing operations management software market size reached US\$ 10.6 Billion in 2022. Looking forward, IMARC Group expects the market to reach US\$ 19.1 Billion by 2028, exhibiting a growth rate (CAGR) of 10.8% during 2022-2028. The increasing sales of luxury vehicles, rising demand for customizations and flexibility, and the growing adoption of robotics represent some of the key factors driving the market.

Manufacturing operations management (MOM) software enables manufacturers in managing their operations and production process. It assists in sequencing, asset and compliance management, human-machine interface (HMI), performance analysis, and supervisory control and data acquisition (SCADA) intelligence. It also helps manufacturers comply with regulatory requirements by tracking and managing data, ensuring accuracy, and providing audit trails. It improves execution systems and advanced planning or scheduling and manages quality and research and development (R&D) projects. It provides real time visibility and control over manufacturing operations and aids businesses in optimizing their processes to improve efficiency, minimize costs, and increase productivity. It enables enhanced collaboration between different departments, suppliers, and partners to improve communication, reduce errors, and improve decision making.

Manufacturing Operations Management Software Market Trends:

MOM software is employed in the automotive industry to help manufacturers plan and schedule their production processes, assign resources, and manage workflows. It also ensures that products meet quality standards, reduces defects, and improves the satisfaction of customers. This, coupled with the increasing sales of luxury and autonomous vehicles on account of rapid urbanization and inflating income levels, represents one of the major factors fueling the market growth around the world. Moreover, the rising use of MOM software in the healthcare sector to manage their supply chain by tracking inventory levels, managing stock, and optimizing their supply chain processes is contributing to the market growth. In addition, the growing awareness about hygiene, sustainability, food safety, and traceability is driving the demand for MOM software in the food and beverage (F&B) sector. Apart from this, the growing demand for customizations and flexibility in manufacturing processes is

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influencing the market positively. Furthermore, there is an increase in the integration of the internet of things (IoT), artificial intelligence (AI), machine learning (ML), cloud computing, and augmented reality (AR) in MOM software to monitor and control manufacturing equipment and processes. These advanced technologies are also used for predictive maintenance and enable real time data processing, collaboration, and remote access and provide workers with visual instructions and guidance on manufacturing processes. This, along with the rising adoption of robotics for various tasks, such as assembly, inspection, and packaging, is favoring the growth of the market.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global manufacturing operations management software market report, along with forecasts at the global, regional and country level from 2023-2028. Our report has categorized the market based on functionality, enterprise size and industry vertical.

Functionality Insights:

- Inventory Management
- Labor Management
- Manufacturing Execution System (MES)
- Process and Production Intelligence
- Quality Process Management
- Others

The report has provided a detailed breakup and analysis of the manufacturing operations management software market based on the functionality. This includes inventory management, labor management, manufacturing execution system (MES), process and production intelligence, quality process management, and others. According to the report, manufacturing execution system (MES) represented the largest segment.

Enterprise Size Insights:

- Small and Medium Enterprises
- Large Enterprises

A detailed breakup and analysis of the manufacturing operations management software market based on the enterprise size has also been provided in the report. This includes small and medium enterprises and large enterprises. According to the report, large enterprises accounted for the largest market share.

Industry Vertical Insights:

- Automotive
- Chemical
- Healthcare
- Food and Beverages
- Consumer Goods
- Aerospace and Defense
- Others

The report has provided a detailed breakup and analysis of the manufacturing operations management software market based on the industry vertical. This includes automotive, chemical, healthcare, food and beverages, consumer goods, aerospace and

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defense, and others. According to the report, healthcare represented the largest segment.

Regional Insights:

North America

United States

Canada

Asia-Pacific

China

Japan

India

South Korea

Australia

Indonesia

Others

Europe

Germany

France

United Kingdom

Italy

Spain

Russia

Others

Latin America

Brazil

Mexico

Others

Middle East and Africa

The report has also provided a comprehensive analysis of all the major regional markets, which include North America (the United States and Canada); Asia Pacific (China, Japan, India, South Korea, Australia, Indonesia, and others); Europe (Germany, France, the United Kingdom, Italy, Spain, Russia, and others); Latin America (Brazil, Mexico, and others); and the Middle East and Africa.

According to the report, North America was the largest market for manufacturing operations management software. Some of the factors driving the North America manufacturing operations management software market included rapid automation, increased investments by governing agencies, integration of advanced technologies, etc.

Competitive Landscape:

The report has also provided a comprehensive analysis of the competitive landscape in the global manufacturing operations management software market. Competitive analysis such as market structure, market share by key players, player positioning, top winning strategies, competitive dashboard, and company evaluation quadrant has been covered in the report. Also, detailed profiles of all major companies have been provided. Some of the companies covered include ABB Ltd., Aegis Industrial Software Corporation, Aspen Technology Inc., Critical Manufacturing (ASM Pacific Technology Limited), Dassault Systemes SE, Emerson Electric Co., General Electric Company, Honeywell International Inc., International Business Machines Corporation, Oracle Corporation, Plex Systems Inc., Siemens AG, etc. Kindly note that this only represents a partial list of companies, and the complete list has been provided in the report.

Key Questions Answered in This Report:

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How has the global manufacturing operations management software market performed so far, and how will it perform in the coming years?

What are the drivers, restraints, and opportunities in the global manufacturing operations management software market?

What is the impact of each driver, restraint, and opportunity on the global manufacturing operations management software market?

What are the key regional markets?

Which countries represent the most attractive manufacturing operations management software market?

What is the breakup of the market based on the functionality?

Which is the most attractive functionality in the manufacturing operations management software market?

What is the breakup of the market based on the enterprise size?

Which is the most attractive enterprise size in the manufacturing operations management software market?

What is the breakup of the market based on the industry vertical?

Which is the most attractive industry vertical in the manufacturing operations management software market?

What is the competitive structure of the global manufacturing operations management software market?

Who are the key players/companies in the global manufacturing operations management software market?

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