

# Digital Manufacturing Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

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## Abstracts

### Market Overview 2023-2028:

The global digital manufacturing market size reached US\$ 424.7 Billion in 2022. Looking forward, IMARC Group expects the market to reach US\$ 1,134.3 Billion by 2028, exhibiting a growth rate (CAGR) of 16.73% during 2023-2028.

Digital manufacturing can be defined as the process of developing products virtually in the form of digital prototypes using a Computer-Aided Design (CAD) software. The software is often integrated with 3D visualization, simulation, analytics and collaboration tools to streamline the manufacturing processes. Digital manufacturing solutions are also used to perform various factory-related functions, including tooling, machining, assembly sequencing and designing plant layouts. They also connect operators with smart machines, tools and sensors to gather production data, monitor inventory in real-time and facilitate accurate testing. Owing to this, it finds extensive application across various industries, such as electronics, automotive, aerospace and defense.

### Digital Manufacturing Market Trends:

The emerging trend of digitalization, along with the increasing adoption of product lifecycle management (PLM) systems, represent as the key factors driving the growth of the market. The PLM is a cloud-based digital manufacturing solution that aids in managing complex product information, manufacturing workflows, product engineering and collaborations while offering remote access to the authorities. Furthermore, the thriving automotive industry is also creating a positive outlook for the market. Automotive manufacturers are incorporating digital manufacturing solutions in their assembly lines to increase design capabilities and to adopt sustainable production

methods. Additionally, the development of technologically advanced and innovative digital manufacturing tools is providing a significant boost to the market growth. These tools offer direct connectivity with the shop-floor hardware and platforms that can manage data from both the PLM and manufacturing execution systems. Other factors, including the implementation of the Internet of Things (IoT) and robotics to detect errors in the early stages of manufacturing, along with the extensive research and development (R&D) in the field of production technologies, are projected to drive the market further.

#### Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global digital manufacturing market report, along with forecasts at the global, regional and country level from 2023-2028. Our report has categorized the market based on component, process type and application.

#### Breakup by Component:

- Software
- Services

#### Breakup by Process Type:

- Computer-Based Designing
- Computer-Based Simulation
- Computer 3D Visualization
- Analytics
- Others

#### Breakup by Application:

- Automation and Transportation
- Aerospace and Defense
- Consumer Electronics
- Utilities and Processes
- Industrial Machinery
- Others

#### Breakup by Region:

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

#### Competitive Landscape:

The report has also analysed the competitive landscape of the market with some of the key players being Autodesk Inc., Bentley Systems, Incorporated CAD Schroer GmbH, Dassault Systemes S.A., Mentor Graphics Corporation, Siemens Aktiengesellschaft and PTC Inc.

#### Key Questions Answered in This Report

1. What was the size of the global digital manufacturing market in 2022?
2. What is the expected growth rate of the global digital manufacturing market during 2023-2028?
3. What are the key factors driving the global digital manufacturing market?
4. What has been the impact of COVID-19 on the global digital manufacturing market?
5. What is the breakup of the global digital manufacturing market based on the

component?

6. What is the breakup of the global digital manufacturing market based on the process type?

7. What is the breakup of the global digital manufacturing market based on the application?

8. What are the key regions in the global digital manufacturing market?

9. Who are the key players/companies in the global digital manufacturing market?

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