

U.S. Smart Manufacturing Market Size, Share & Trends Analysis Report By Component (Hardware, Software, Services), By Technology, By End Use, And Segment Forecasts, Key Companies And Competitive Analysis, 2025 - 2030

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Abstracts

U.S. Smart Manufacturing Market Trends

The U.S. smart manufacturing market size was estimated at USD 74.47 billion in 2024 and is projected to reach USD 160.94 billion by 2030, growing at a CAGR of 13.1% from 2025 to 2030. The growth is primarily driven by increasing demand for automation and real-time data analytics, rapid advancements in Industrial Internet of Things (IIoT), robotics, and machine learning technologies. The integration of artificial intelligence (AI), digital twins, and advanced analytics is transforming manufacturing workflows. Growing investments in sustainable manufacturing, energy efficiency, and regulatory compliance are attracting new entrants and expanding the market across sectors such as aerospace, automotive, healthcare, and electronics.

The rapid advancement and adoption of Industrial Internet of Things (IIoT) platforms and advanced analytics are fundamentally transforming the U.S. smart manufacturing industry. Technologies such as AI-driven predictive maintenance systems, real-time data monitoring, and digital twin simulations enable manufacturers to optimize production efficiency, reduce downtime, and improve operational safety. The growing demand for connected equipment and automated workflows across diverse industrial sectors continues to accelerate the expansion of the market.

Additionally, increasing investments in robotics, automation, and advanced sensor networks drive the need for more agile and flexible manufacturing environments. The

integration of collaborative robots (cobots), machine vision systems, and automated material handling solutions is helping manufacturers scale operations while maintaining high-quality standards. This shift is further supported by government incentives and private sector initiatives aimed at improving productivity in the global market.

U.S. Smart Manufacturing Market Report Segmentation

This report forecasts revenue growth at the country level and provides an analysis of the latest technology trends in each of the sub-segments from 2018 to 2030. For this study, Grand View Research has segmented the U.S. smart manufacturing market report based on component, technology, and end use:

Component Outlook (Revenue, USD Billion, 2018 - 2030)

Hardware

Software

Services

Technology Outlook (Revenue, USD Billion, 2018 - 2030)

MES

PLC

ERP

SCADA

DCS

HMI

Machine Vision

3D Printing

PLM

Plant Asset Management

End Use Outlook (Revenue, USD Billion, 2018 - 2030)

Automotive

Aerospace & Defense

Chemical & Materials

Healthcare

Industrial Equipment

Electronics

Food & Agriculture

Oil & Gas

Others

This report can be delivered to the clients within 4 Business Days

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