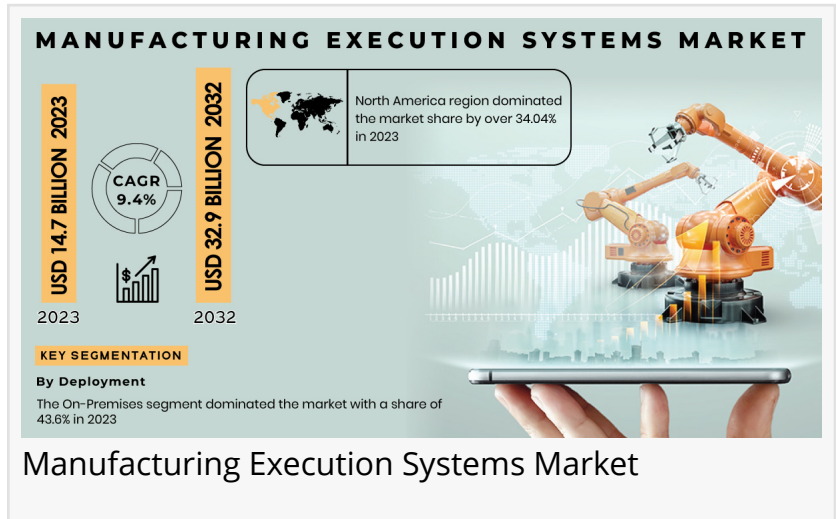


Manufacturing Execution Systems Market to Reach USD 32.9 by 2032, Growing with Highest CAGR 9.4%

The demand for personalized products is increasing, requiring manufacturers to be more agile. MES solutions offer the flexibility to adapt production processes.

AUSTIN, TX, UNITED STATES, October 29, 2024 /EINPresswire.com/ -- The [Manufacturing Execution Systems Market](#) size was valued at USD 14.7 billion in 2023 and is now anticipated to grow to USD 32.9 billion by 2032, displaying a compound annual growth rate (CAGR) of 9.4% during the forecast period 2024-2032.



MES Market Transformation: Automation and Real-Time Data in Modern Manufacturing

“

Manufacturing Execution Systems (MES) are experiencing rapid growth as industries increasingly embrace digital transformation, driven by the need for real-time data, increased automation, and improved”

SNS Insider

The Manufacturing Execution Systems (MES) Market is experiencing a transformative shift as industries prioritize automation and real-time data analytics to boost operational efficiency. The advent of Industry 4.0 and smart manufacturing is fundamentally changing production processes in sectors like automotive, aerospace, electronics, and pharmaceuticals. Manufacturers are increasingly adopting MES solutions to streamline operations, minimize downtime, and enhance product quality, viewing this digital transformation not just as a trend, but as a critical necessity for competitiveness in a fast-evolving market.

One significant trend is the growing use of cloud-based MES solutions, which allow manufacturers to centralize data, enhance collaboration across facilities, and manage

production processes remotely. This shift towards digitization empowers manufacturers to make informed decisions, reduce human error, and improve overall productivity. By integrating smart technologies, businesses can monitor and control all stages of the production cycle, resulting in better decision-making, minimized downtime, and faster time-to-market. Moreover, automation reduces reliance on manual processes, thereby enhancing consistency and quality in production. MES solutions facilitate seamless communication between systems, ensuring accurate data capture and analysis for continuous improvement. As companies navigate a competitive landscape, they increasingly turn to automation and digitization to maintain efficiency, lower costs, and enhance responsiveness to market demands. This growing reliance on MES solutions underscores the essential role of technology in driving operational excellence within the manufacturing sector.

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Major The Key Players of Manufacturing Execution Systems Market
Siemens AG, Schneider Electric SE, ABB Ltd, Honeywell International Inc, Rockwell Automation, Inc, Dassault Systèmes SE, General Electric (GE) Digital, SAP SE, Emerson Electric Co, AVEVA Group plc, Dassault Systèmes SE,

Market Segmentation: On-Premises and Services Offerings Lead MES Deployment in 2023

By Deployment: The On-Premises segment dominated the market with a share of 43.6% in 2023. Concerns about data privacy and regulatory compliance are major drivers for choosing on-premise deployments. These deployments offer enhanced flexibility for customization and integration with existing systems, facilitating a seamless flow of data and improved operational efficiency.

By Offering: The Services Offering segment dominated the market with a share of 51.02% in 2023. This segment encompasses the integration of software into the system, software updates, employee training, and system maintenance. These services facilitate seamless deployment, enhance efficiency, and boost the adaptability of MES in manufacturing processes.

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Key Market Segments

By Deployment

- On-premises
- On-demand
- Hybrid

By Offering

- Software
- Services
 - Implementation
 - Software Upgrade
 - Training
 - Maintenance

Key Regional Developments: North America Dominates Manufacturing Execution Systems Market Amidst Rapid Growth in Asia Pacific.

In 2023, North America held a dominant position in the Manufacturing Execution Systems Market, accounting for 34.04% of the share. The region is recognized for its advanced manufacturing capabilities in industries like automotive, aerospace, electronics, and pharmaceuticals, with a strong emphasis on efficiency, quality, and innovation. This commitment drives the extensive implementation of MES solutions, essential for optimizing operations, enhancing productivity, and maintaining competitiveness.

The Asia Pacific region is expected to see the quickest growth in the upcoming years. This rapid industrialization is fueled by economic growth, urbanization, and the expansion of manufacturing sectors. Manufacturing Execution System (MES) solutions are crucial for optimizing production processes, enhancing efficiency, and fulfilling the rising demand for high-quality products across various industries.

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Recent Development

In January 2023: Schneider Electric completed the acquisition of AVEVA, a software solutions provider. This acquisition aims to drive innovation and enhance value delivery to customers through digital transformation platforms. Schneider Electric plans to position itself as a Software-as-a-Service (SaaS) leader with a subscription-only enterprise model.

In June 2023: Emerson Electric Co. partnered with Continua Process Systems to enhance its life sciences software portfolio. Continua brings expertise in continuous manufacturing and process analytical technology, providing software and support solutions for life science organizations seeking flexibility and faster market entry.

In February 2023: AVEVA launched a new version of its Manufacturing Execution System software aimed at supporting data center deployments. This iteration enhances operational sustainability and efficiency by providing unified visibility and reporting across multi-site operations.

In March 2023: Siemens introduced an upgraded version of its MES platform, which integrates advanced analytics and machine learning capabilities. This upgrade aims to improve predictive maintenance and optimize production processes for manufacturers across various sectors.

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