

# Key Driver in Factory Simulation Software Market 2025: Rising Demand for Automation Fuels Market Growth

*The Business Research Company's  
Factory Simulation Software Global  
Market Report 2025 – Market Size,  
Trends, And Global Forecast 2025-2034*

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Factory Simulation Software Global Market Report  
2025

The [factory simulation software market](#) size recorded exponential growth in recent years—increasing from \$11.81 billion in 2024 to \$13.30 billion in 2025—with a compound annual

growth rate CAGR of 12.7%. This expansion during the historic period can be ascribed to a multitude of catalysts. These include increased demand for real-time production monitoring, the rising complexity in manufacturing processes, the growing need for supply chain optimization, and heightened demand for production efficiency, as well as the escalating adoption of smart factories.

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Will The Factory Simulation Software Market Continue To  
Expand In The Coming Years?

The factory simulation software market size is poised to

experience rapid growth in the next few years, escalating to approximately \$21.13 billion by 2029, with a CAGR of 12.3%. The growth during the forecast period can be ascribed to the ascending demand for automation and digital twins, the growing need for real-time data integration, increasing calls for flexible manufacturing systems, and the expanding use of cloud-based solutions.

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### What Is Propelling The Growth Of The Factory Simulation Software Market?

The increasing demand for automation is projected to be a core impetus propelling the growth of the factory simulation software market. By using technology to perform tasks with minimal human intervention, efficiency and consistency are significantly enhanced. The need for higher production efficiency and disappointing operational costs has boosted the demand for automation, as it facilitates faster, error-free operations with minimal manual intervention. Factory simulation software aids this progression, by enabling virtual testing of production processes, making it ideal for optimizing complex manufacturing systems.

### Who Are The Key Industry Players In The Factory Simulation Software Market?

Prominent companies operating in the factory simulation software market include Midea Group, Schneider Electric SE, Emerson Electric Co, Rockwell Automation Inc., Dassault Systèmes SE, Autodesk Inc., Hexagon AB, Keysight Technologies, Synopsys Inc., Cadence Design Systems, PTC Inc., MathWorks Inc., Siemens AG, Royal HaskoningDHV, Faro Technologies, Wolfram Research, Tebis, The AnyLogic Company, and Tecnomatix Technologies Ltd. among others.

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### Which Emerging Trends Are Shaping The Factory Simulation Software Market?

Companies in this field are concentrating on developing technologically advanced solutions, such as predictive simulation tools, to optimize production efficiency and to reduce operational costs. Lauded for its ability to forecast future scenarios and outcomes within a factory environment, this tool empowers proactive decision-making and process optimization.

### How Is The [Factory Simulation Software Market Segmented](#)?

The factory simulation software market is segmented in the following manner:

- 1 By Software: Three-Dimensional 3D Simulation Software, Two-Dimensional 2D Simulation Software.
- 2 By Deployment: On-Premises, Cloud-Based.
- 3 By Application: Manufacturing, Supply Chain Management, Transportation, Robotics, Healthcare.

Subsegments include:

- 1 By Three-Dimensional 3D Simulation Software: Virtual Commissioning Software, Digital Twin Platforms, Robotics And Automation Simulation, Ergonomics And Human Factors Simulation, 3D Layout And Facility Planning Tools, Immersive VR or AR Simulation.
- 2 By Two-Dimensional 2D Simulation Software: Discrete Event Simulation DES Tools, Production And Workflow Simulation, Logistics And Supply Chain Simulation, Resource Scheduling And Utilization Tools, Process Flowcharting And Layout Tools.

## What Are The Regional Insights Into The Factory Simulation Software Market?

In 2024, North America was the most significant region in the factory simulation software market. The fastest-growing region in the forecast period is expected to be Asia-Pacific. The factory simulation software market report covers regions including Asia-Pacific, Western Europe, Eastern Europe, North America, South America, the Middle East, and Africa.

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Americas +1 3156230293

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Oliver Guirdham

The Business Research Company

+44 20 7193 0708

[info@tbrc.info](mailto:info@tbrc.info)

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