

Bill Of Material (Bom) Software Market Outlook 2025-2034: Market Share, and Growth Analysis By Type (Engineering BOM, Manufacturing BOM, Service BOM), By Deployment (On-Premise, Cloud-Based), By Organization Size, By Application

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Abstracts

The Bill Of Material (Bom) Software Market is valued at USD 11.4 billion in 2025 and is projected to grow at a CAGR of 6.6% to reach USD 20.2 billion by 2034. The Bill of Material (BOM) software market has grown significantly in recent years as companies seek efficient ways to manage complex product structures, improve production planning, and streamline supply chain operations. BOM software enables manufacturers to centralize and organize all components, materials, and subassemblies needed for production. By providing a clear and detailed roadmap for building products, these solutions help businesses reduce errors, minimize waste, and ensure smoother communication between engineering, procurement, and manufacturing teams. With the rising complexity of modern products, especially in industries like automotive, electronics, and aerospace, the demand for robust BOM management tools has increased. Today's BOM software often integrates with product lifecycle management (PLM), enterprise resource planning (ERP), and computer-aided design (CAD) systems, allowing real-time updates, version control, and better collaboration across multiple departments. Furthermore, cloud-based BOM software solutions have gained popularity, offering scalability, flexibility, and easier access to critical data from any location. As manufacturers strive for greater efficiency and agility, BOM software plays a vital role in ensuring accurate production documentation and seamless operational workflows. Regionally, North America and Europe lead the BOM software market due to their advanced manufacturing ecosystems and widespread adoption of digital transformation initiatives. Asia-Pacific is also a key growth region, fueled by rapid industrialization, growing automotive and electronics production, and increasing

awareness of the benefits of streamlined BOM management. With ongoing technological advancements, rising global competition, and the push for more sustainable manufacturing practices, the BOM software market is poised for sustained expansion and innovation.

Key Insights Bill Of Material (Bom) Software Market

Increasing integration of BOM software with PLM, ERP, and CAD systems for seamless data sharing and version control.

Rising adoption of cloud-based BOM software solutions, offering flexibility and remote accessibility.

Development of advanced features such as automated BOM updates, multi-level BOM support, and analytics for better decision-making.

Growing product complexity in industries such as automotive, aerospace, and electronics, requiring precise and well-structured BOMs.

Demand for improved collaboration across engineering, procurement, and production teams.

Need to reduce production errors, minimize waste, and improve overall manufacturing efficiency.

High costs associated with implementing advanced BOM software solutions, particularly for small and mid-sized companies.

Difficulty in integrating BOM systems with legacy IT infrastructure and ensuring data consistency.

Managing frequent changes and updates to BOMs in fast-paced manufacturing environments.

Bill Of Material (Bom) Software Market Segmentation

By Type

Engineering BOM

Manufacturing BOM

Service BOM

By Deployment

On-Premise

Cloud-Based

By Organization Size

Small and Medium Enterprises (SMEs)

Large Enterprises

By Application

Automotive

Aerospace and Defense

Electrical and Electronics

Medical Devices

Industrial Machinery

Consumer Goods

Key Companies Analysed

Siemens AG

Oracle Corporation

SAP SE

Fujitsu Ltd.

Dassault Systèmes SE

Autodesk Inc.

Cadence Design Systems Inc.

Infor Inc.

Lectra SA

Altium Limited

Zuken Inc.

Silicon Expert

Tacton Systems AB

Fast React Systems Ltd.

Arena Solutions Inc.

HTS Inc.

Aras Corporation

SofTech Group Inc.

Xavor Corporation

Timesys Corporation

FlexSim Software Products Inc.

Omnify Software Inc.

Onshape Inc.

Bill Of Material (Bom) Software Market Analytics

The report employs rigorous tools, including Porter's Five Forces, value chain mapping, and scenario-based modeling, to assess supply–demand dynamics. Cross-sector influences from parent, derived, and substitute markets are evaluated to identify risks and opportunities. Trade and pricing analytics provide an up-to-date view of international flows, including leading exporters, importers, and regional price trends.

Macroeconomic indicators, policy frameworks such as carbon pricing and energy security strategies, and evolving consumer behavior are considered in forecasting scenarios. Recent deal flows, partnerships, and technology innovations are incorporated to assess their impact on future market performance.

Bill Of Material (Bom) Software Market Competitive Intelligence

The competitive landscape is mapped through OG Analysis' proprietary frameworks, profiling leading companies with details on business models, product portfolios, financial performance, and strategic initiatives. Key developments such as mergers & acquisitions, technology collaborations, investment inflows, and regional expansions are analyzed for their competitive impact. The report also identifies emerging players and innovative startups contributing to market disruption.

Regional insights highlight the most promising investment destinations, regulatory landscapes, and evolving partnerships across energy and industrial corridors.

Countries Covered

North America — Bill Of Material (Bom) Software market data and outlook to 2034

United States

Canada

Mexico

Europe — Bill Of Material (Bom) Software market data and outlook to 2034

Germany

United Kingdom

France

Italy

Spain

BeNeLux

Russia

Sweden

Asia-Pacific — Bill Of Material (Bom) Software market data and outlook to 2034

China

Japan

India

South Korea

Australia

Indonesia

Malaysia

Vietnam

Middle East and Africa — Bill Of Material (Bom) Software market data and outlook to 2034

Saudi Arabia

South Africa

Iran

UAE

Egypt

South and Central America — Bill Of Material (Bom) Software market data and outlook to 2034

Brazil

Argentina

Chile

Peru

** We can include data and analysis of additional countries on demand.*

Research Methodology

This study combines primary inputs from industry experts across the Bill Of Material (Bom) Software value chain with secondary data from associations, government publications, trade databases, and company disclosures. Proprietary modeling techniques, including data triangulation, statistical correlation, and scenario planning, are applied to deliver reliable market sizing and forecasting.

Key Questions Addressed

What is the current and forecast market size of the Bill Of Material (Bom)

Software industry at global, regional, and country levels?

Which types, applications, and technologies present the highest growth potential?

How are supply chains adapting to geopolitical and economic shocks?

What role do policy frameworks, trade flows, and sustainability targets play in shaping demand?

Who are the leading players, and how are their strategies evolving in the face of global uncertainty?

Which regional “hotspots” and customer segments will outpace the market, and what go-to-market and partnership models best support entry and expansion?

Where are the most investable opportunities—across technology roadmaps, sustainability-linked innovation, and M&A—and what is the best segment to invest over the next 3–5 years?

Your Key Takeaways from the Bill Of Material (Bom) Software Market Report

Global Bill Of Material (Bom) Software market size and growth projections (CAGR), 2024-2034

Impact of Russia-Ukraine, Israel-Palestine, and Hamas conflicts on Bill Of Material (Bom) Software trade, costs, and supply chains

Bill Of Material (Bom) Software market size, share, and outlook across 5 regions and 27 countries, 2023-2034

Bill Of Material (Bom) Software market size, CAGR, and market share of key products, applications, and end-user verticals, 2023-2034

Short- and long-term Bill Of Material (Bom) Software market trends, drivers, restraints, and opportunities

Porter’s Five Forces analysis, technological developments, and Bill Of Material

(Bom) Software supply chain analysis

Bill Of Material (Bom) Software trade analysis, Bill Of Material (Bom) Software market price analysis, and Bill Of Material (Bom) Software supply/demand dynamics

Profiles of 5 leading companies—overview, key strategies, financials, and products

Latest Bill Of Material (Bom) Software market news and developments

Additional Support

With the purchase of this report, you will receive

An updated PDF report and an MS Excel data workbook containing all market tables and figures for easy analysis.

7-day post-sale analyst support for clarifications and in-scope supplementary data, ensuring the deliverable aligns precisely with your requirements.

Complimentary report update to incorporate the latest available data and the impact of recent market developments.

** The updated report will be delivered within 3 working days*

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