

Global Model Based Development (MBD) Competitive Landscape Professional Research Report 2025

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Abstracts

Market Overview

According to DIResearch's in-depth investigation and research, the global Model Based Development (MBD) market size will reach 4,045.68 Million USD in 2025 and is projected to reach 11,059.85 Million USD by 2032, with a CAGR of 15.45% (2025-2032). Notably, the China Model Based Development (MBD) market has changed rapidly in the past few years. By 2025, China's market size is expected to be Million USD, representing approximately % of the global market share.

Research Summary

Model-Based Development (MBD) is an approach to software and system development that emphasizes the use of models throughout the lifecycle of a product. In MBD, models serve as the central artifacts for system specification, design, implementation, testing, and verification. The development process involves creating and manipulating models that capture the functional and non-functional requirements of a system, its behavior, and its structure. These models can be graphical, mathematical, or textual representations, depending on the specific domain and development tools used. MBD enables a higher level of abstraction and automation, allowing for early validation of system behavior, efficient design exploration, and faster development cycles. It also helps in managing complexity, promoting reusability, and facilitating collaboration between different disciplines involved in the development process. By relying on models as the primary source of truth, MBD enables more efficient and effective development of complex systems, improving productivity, quality, and maintainability.

The major global suppliers of Model Based Development (MBD) include Siemens, IBM,

PTC, ETAS, MathWorks, dSPACE, NXP, Zuken, Altair, Gamma Technologies, Maplesoft, BTC, PikeTec, Model Engineering Solutions, Vector Informatik, Sparx Systems, etc. The global players competition landscape in this report is divided into three tiers. The first tier comprises global leading enterprises that command a substantial market share, hold a dominant industry position, possess strong competitiveness and influence, and generate significant revenue. The second tier includes companies with a notable market presence and reputation; these firms actively follow industry leaders in product, service, or technological innovation and maintain a moderate revenue scale. The third tier consists of smaller companies with limited market share and lower brand recognition, primarily focused on local markets and generating comparatively lower revenue.

This report studies the market size, price trends and future development prospects of Model Based Development (MBD). Focus on analysing the market share, product portfolio, prices, sales, revenue and gross profit margin of global major suppliers, as well as the market status and trends of different product types and applications in the global Model Based Development (MBD) market. The report data covers historical data from 2020 to 2024, based year in 2025 and forecast data from 2026 to 2032.

The regions and countries in the report include North America, Europe, China, APAC (excl. China), Latin America and Middle East and Africa, covering the Model Based Development (MBD) market conditions and future development trends of key regions and countries, combined with industry-related policies and the latest technological developments, analyze the development characteristics of Model Based Development (MBD) industries in various regions and countries, help companies understand the development characteristics of each region, help companies formulate business strategies, and achieve the ultimate goal of the company's global development strategy.

The data sources of this report mainly include the National Bureau of Statistics, customs databases, industry associations, corporate financial reports, third-party databases, etc. Among them, macroeconomic data mainly comes from the National Bureau of Statistics, International Economic Research Organization; industry statistical data mainly come from industry associations; company data mainly comes from interviews, public information collection, third-party reliable databases, and price data mainly comes from various markets monitoring database.

Global Key Suppliers of Model Based Development (MBD) Include:

Siemens

IBM

PTC

ETAS

MathWorks

dSPACE

NXP

Zuken

Altair

Gamma Technologies

Maplesoft

BTC

PikeTec

Model Engineering Solutions

Vector Informatik

Sparx Systems

Model Based Development (MBD) Product Segment Include:

On-premises

Cloud Based

Model Based Development (MBD) Product Application Include:

Automotive

Electronics and Semiconductor

Aerospace and Defence

Medical

Industrial

Others

Chapter Scope

Chapter 1: Product Research Range, Product Types and Applications, Market Overview, Market Situation and Trends

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