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Global Computer-aided Design (CAD) Market 2024 by Company, Regions, Type and Application, Forecast to 2030

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Abstracts

According to our (Global Info Research) latest study, the global Computer-aided Design (CAD) market size was valued at USD 9101.6 million in 2023 and is forecast to a readjusted size of USD 12750 million by 2030 with a CAGR of 4.9% during review period.

Computer-aided design (CAD) is the use of computer systems (or workstations) to aid in the creation, modification, analysis, or optimization of a design. CAD software is used to increase the productivity of the designer, improve the quality of design, improve communications through documentation, and to create a database for manufacturing. CAD output is often in the form of electronic files for print, machining, or other manufacturing operations. The term CADD (for Computer Aided Design and Drafting) is also used.

The adoption of CAD design platform in various manufacturing industries and disciplines to generate models and drawings is the major driver for the growth of global CAD market. The increasing adoption of virtual platforms for product development in manufacturing industries is expected to drive the consumption of CAD software. The CAD based designs are used throughout the life cycle of a product and at different stages such as design verification, concept verification and failure verification. The manufacturers adopt the implementation of CAD software in product development phase as it helps in improving the quality of the product. The CAD based design are extensively used in automotive industry and the OEMs are consistently focusing on improving the design parameters. The rapid growth in automotive industry is expected to propel the growth of global CAD market.

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The Global Info Research report includes an overview of the development of the Computer-aided Design (CAD) industry chain, the market status of Education (2D, 3D), Architecture (2D, 3D), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Computer-aided Design (CAD).

Regionally, the report analyzes the Computer-aided Design (CAD) markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global Computer-aided Design (CAD) market, with robust domestic demand, supportive policies, and a strong manufacturing base.

Key Features:

The report presents comprehensive understanding of the Computer-aided Design (CAD) market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the Computer-aided Design (CAD) industry.

The report involves analyzing the market at a macro level:

Market Sizing and Segmentation: Report collect data on the overall market size, including the revenue generated, and market share of different by Type (e.g., 2D, 3D).

Industry Analysis: Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the Computer-aided Design (CAD) market.

Regional Analysis: The report involves examining the Computer-aided Design (CAD) market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

Market Projections: Report covers the gathered data and analysis to make future projections and forecasts for the Computer-aided Design (CAD) market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

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The report also involves a more granular approach to Computer-aided Design (CAD):

Company Analysis: Report covers individual Computer-aided Design (CAD) players, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

Consumer Analysis: Report covers data on consumer behaviour, preferences, and attitudes towards Computer-aided Design (CAD) This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Education, Architecture).

Technology Analysis: Report covers specific technologies relevant to Computer-aided Design (CAD). It assesses the current state, advancements, and potential future developments in Computer-aided Design (CAD) areas.

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report present insights into the competitive landscape of the Computer-aided Design (CAD) market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

Market Validation: The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

Market Segmentation

Computer-aided Design (CAD) market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of value.

Market segment by Type

2D

3D

Other

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Market segment by Application

- Education
- Architecture
- Art and Design
- Mechanical Design
- Other

Market segment by players, this report covers

- Autodesk
- TurboCAD
- SketchUp
- CADopia
- Progesoft
- FormZ
- SolidWorks
- SkyCiv
- SmartDraw
- Bentley Systems
- Corel
- RubySketch

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ANSYS

Market segment by regions, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, UK, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, South Korea, India, Southeast Asia, Australia and Rest of Asia-Pacific)

South America (Brazil, Argentina and Rest of South America)

Middle East & Africa (Turkey, Saudi Arabia, UAE, Rest of Middle East & Africa)

The content of the study subjects, includes a total of 13 chapters:

Chapter 1, to describe Computer-aided Design (CAD) product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top players of Computer-aided Design (CAD), with revenue, gross margin and global market share of Computer-aided Design (CAD) from 2019 to 2024.

Chapter 3, the Computer-aided Design (CAD) competitive situation, revenue and global market share of top players are analyzed emphatically by landscape contrast.

Chapter 4 and 5, to segment the market size by Type and application, with consumption value and growth rate by Type, application, from 2019 to 2030.

Chapter 6, 7, 8, 9, and 10, to break the market size data at the country level, with revenue and market share for key countries in the world, from 2019 to 2024.and Computer-aided Design (CAD) market forecast, by regions, type and application, with consumption value, from 2025 to 2030.

Chapter 11, market dynamics, drivers, restraints, trends and Porters Five Forces analysis.

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Chapter 12, the key raw materials and key suppliers, and industry chain of Computer-aided Design (CAD).

Chapter 13, to describe Computer-aided Design (CAD) research findings and conclusion.

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