

# Magma Design Automation Inc. Fundamental Company Report Including Financial, SWOT, Competitors and Industry Analysis

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## Abstracts

Magma Design Automation Inc. Fundamental Company Report provides a complete overview of the company's affairs. All available data is presented in a comprehensive and easily accessed format. The report includes financial and SWOT information, industry analysis, opinions, estimates, plus annual and quarterly forecasts made by stock market experts. The report also enables direct comparison to be made between Magma Design Automation Inc. and its competitors. This provides our Clients with a clear understanding of Magma Design Automation Inc. position in the [Software and Technology Services](#) Industry.

The report contains detailed information about Magma Design Automation Inc. that gives an unrivalled in-depth knowledge about internal business-environment of the company: data about the owners, senior executives, locations, subsidiaries, markets, products, and company history.

Another part of the report is a SWOT-analysis carried out for Magma Design Automation Inc.. It involves specifying the objective of the company's business and identifies the different factors that are favorable and unfavorable to achieving that objective. SWOT-analysis helps to understand company's strengths, weaknesses, opportunities, and possible threats against it.

The Magma Design Automation Inc. financial analysis covers the income statement and ratio trend-charts with balance sheets and cash flows presented on an annual and quarterly basis. The report outlines the main financial ratios

pertaining to profitability, margin analysis, asset turnover, credit ratios, and company's long-term solvency. This sort of company's information will assist and strengthen your company's decision-making processes.

In the part that describes Magma Design Automation Inc. competitors and the industry in whole, the information about company's financial ratios is compared to those of its competitors and to the industry. The unique analysis of the market and company's competitors along with detailed information about the internal and external factors affecting the relevant industry will help to manage your business environment. Your company's business and sales activities will be boosted by gaining an insight into your competitors' businesses.

Also the report provides relevant news, an analysis of PR-activity, and stock price movements. The latter are correlated with pertinent news and press releases, and annual and quarterly forecasts are given by a variety of experts and market research firms. Such information creates your awareness about principal trends of Magma Design Automation Inc. business.

### **About Magma Design Automation Inc.**

Magma Design Automation, Inc. provides electronic design automation (EDA) software products and related services. The company's software enables chip designers to limit the time it takes to design and produce integrated circuits used in the communications, computing, consumer electronics, networking, and semiconductor industries.

The company's primary products comprise a digital integrated solution for the chip development cycle, from initial design through physical implementation. It provides consulting, training and services to help its customers adopt its technology. It also provides post-contract support, or maintenance, for its products.

### **Products**

Talus Design is a key component of the RTL-to-GDSII Talus platform. This product enables logic designers to synthesize, evaluate, and improve the quality of their RTL (register transfer level computer program) code, design constraints, testability requirements, and floorplan. The physical netlist generated by Talus Design provides a handoff between the RTL designer and layout engineer.

Talus Vortex is the company's place and route product within the Talus platform. Talus Vortex flow begins with design netlist, target library, and design constraints. It utilizes implementation automation to produce a physical layout and routing connection of the design to meet timing, area, power, clock, and routing requirements for manufacture.

Talus Power Pro is an optimization option to Talus Design and Talus Vortex for low-power needs. By using Talus Power Pro, dynamic and leakage power can be minimized while meeting design performance, area, and manufacturing requirements.

Tekton is its new standalone static timing analyzer. Tekton provides both standard timing analysis and signoff analysis (crosstalk and on-chip variation). In addition to being architected for execution and capacity, Tekton includes the native capability to run multi-mode / multi-corner timing analysis – a key requirement in analyzing designs at 40 nanometers and below.

QCP is its new standalone SoC (system-on-chip) parasitic extractor. QCP is architected for high capacity within a percent of its gold standard QuickCap product. QCP provides a multi-corner extraction solution that adds a minimal amount of runtime overhead for each additional PVT (process, temperature, and voltage) corner.

Talus qDRC is an integrated physical design verification tool for direct use during implementation.

Hydra is an auto-interactive floorplanning and hierarchical design planning solution featuring a physical optimization capability that enables floorplan handoff. It is a standalone solution that is also integrated into the company's RTL-to-GDSII flow.

Quartz Rail is a manufacturing sign-off analysis tool for 'static' and 'transient' voltage drop within a chip. Using input for design logic, layout, and activity, and including an interface to its FineSim SPICE product for silicon measurement, Quartz Rail provides a voltage-drop analysis for design implementation. Quartz Rail is integrated in the Talus implementation platform to simplify the flow for design analysis to influence design decisions early in the implementation process.

Quartz RC provides sign-off-quality parasitic extraction and can operate as either a standalone tool or integrated with the Blast Fusion system, where it underlies the 'Sign-off in the Loop' flow.

Quartz Time combines the static timer in Blast Fusion with timing capabilities to create a

sign-off timing system.

Quartz DRC and Quartz LVS are targeted to provide the turnaround time of any physical verification tools.

SiliconSmart products provide timing, power, and signal integrity models in various formats.

FineSim Pro is a next-generation circuit simulator with full-chip analysis capabilities, including advanced post-layout simulation features.

FineSim SPICE is a native parallel, SPICE simulator that enables the simulation of analog and mixed signal circuits with SPICE accuracy.

FineSim Fast Monte Carlo is a technology that provides a significant improvement over traditional Monte Carlo methods by providing a statistical analysis for analog and mixed signal circuit

The above Company Fundamental Report is a half-ready report and contents are subject to change.

It means that we have all necessary data in our database to prepare the report but need **2-3 days** to complete it. During this time we are also updating the report with respect to the current moment. So, you can get all the most recent data available for the same price. Please note that preparation of additional types of analyses requires extra time.

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## ANALYSIS FEATURES

### SWOT Analysis

SWOT, which stands for Strengths, Weaknesses, Opportunities and Threats, is an analytical framework that identifies the internal and external factors that are favorable and unfavorable for a company.

### Enhanced SWOT Analysis

Enhanced SWOT is a 3x3 grid that arranges strengths, weaknesses, opportunities and threats into one scheme:

How to use the strengths to take advantage of the opportunities?

How to use the strengths to reduce likelihood and impact of the threats?

How to overcome the weaknesses that obstruct taking advantage of the opportunities?

How to overcome the weaknesses that can make the threats a reality?

Upon answering these questions a company can develop a project plan to improve its business performance.

### PESTEL Analysis

PESTEL (also termed as PESTLE) is an ideal tool to strategically analyze what influence different outside factors – political, economic, sociocultural, technological, environmental and legal – exert on a business to later chart its long term targets.

Being part of the external analysis when carrying out a strategic assessment or performing a market study, PESTEL gives an overview of diverse macro-environmental factors that any company should thoughtfully consider. By perceiving these outside environments, businesses can maximally benefit from the opportunities while minimizing the threats to the organization.

## Key Factors Examined by PESTEL Analysis:

**Political** – What opportunities and pressures are brought by political bodies and what is the degree of public regulations' impact on the business?

**Economic** – What economic policies, trends and structures are expected to affect the organization, what is this influence's degree?

**Sociological** – What cultural and societal aspects will work upon the demand for the business's products and operations?

**Technological** – What impact do the technological aspects, innovations, incentives and barriers have on the organization?

**Environmental** – What environmental and ecological facets, both locally and farther afield, are likely to predetermine the business?

**Legal** – What laws and legislation will exert influence on the style the business is carried out?

## **IFE, EFE, IE Matrices**

The Internal Factor Evaluation matrix (IFE matrix) is a strategic management tool helping audit or evaluate major weaknesses and strengths in a business's functional areas. In addition, IFE matrix serves as a basis for identifying and assessing relationships amongst those areas. The IFE matrix is utilised in strategy formulation.

The External Factor Evaluation matrix (EFE matrix) is a tool of strategic management that is typically utilised to assess current market conditions. It is an ideal instrument for visualising and prioritising the threats and opportunities a firm is facing.

The essential difference between the above mentioned matrices lies in the type of factors incorporated in the model; whilst the latter is engaged in internal factors, the former deals exceptionally with external factors – those exposed to social, political, economic, legal, etc. external forces.

Being a continuation of the EFE matrix and IFE matrix models, the Internal External matrix (IE matrix) rests upon an investigation of external and internal business factors

integrated into one suggestive model.

## **Porter Five Forces Analysis**

The Porter's five forces analysis studies the industry of operation and helps the company find new sources of competitive advantage. The analysis surveys an industry through five major questions:

What composes a threat of substitute products and services?

Is there a threat of new competitors entering the market?

What is the intensity of competitive rivalry?

How big is the bargaining power of buyers?

How significant is the bargaining power of suppliers?

## **VRIO Analysis**

VRIO stands for Value, Rarity, Imitability, Organization. This analysis helps to evaluate all company's resources and capabilities and bring them together into one aggregate table that includes:

Tangible resources

Financial

Physical

Technological

Organizational

Intangible resources

Human

Innovation and Creativity

## Reputation

### Organizational capabilities

The result of the analysis gives a clear picture of company's competitive and economic implications, answering the questions if the resources mentioned above are:

Valuable?

Rare?

Costly to imitate?

Organized properly?

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