

Mattson Technology Inc. Fundamental Company Report Including Financial, SWOT, Competitors and Industry Analysis

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Abstracts

Mattson Technology 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 Mattson Technology Inc. and its competitors. This provides our Clients with a clear understanding of Mattson Technology Inc. position in the [Semiconductor](#) Industry.

The report contains detailed information about Mattson Technology 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 Mattson Technology 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 Mattson Technology 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 Mattson Technology 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 Mattson Technology Inc. business.

About Mattson Technology Inc.

Mattson Technology, Inc. engages in the design, manufacture, and marketing of semiconductor wafer processing equipment used in the fabrication of integrated circuits (ICs or chips). The company supplies dry strip and rapid thermal processing (RTP) equipment to the global semiconductor industry.

Markets, Applications, and Products

Dry Strip

A strip system removes photoresist or other residues from a wafer following each step of film deposition or diffusion processing in preparation for the next processing step. The company's dry stripping systems, such as its Suprema strip tool, create gaseous chemistries, or plasmas, to which the wafer is exposed to remove mask films and residues.

The company's Suprema system utilizes a wafer handling architecture and features its patented inductively coupled plasma (ICP) technology. The system utilizes an enhanced radio frequency (RF) matching network and a heating source.

Rapid Thermal Processing

The company's RTP products feature dual-sided, lamp-based heating technology that provides process uniformity and repeatability with precise process control for both 200 and 300 mm manufacturing. Its product lines include the 2900 for 200 mm applications, the Helios RTP system for 300 mm anneal applications, and the Atmos RTO system for 300 mm advanced oxidation applications.

The Helios features a model-based temperature measurement and control system that provides the uniformity, repeatability and reliability required for device performance for applications, including source drain anneals and spike anneals. The Helios XP was introduced in 2009 as its third generation of 300mm RTP tools.

Millios is designed to enable the company's customers to meet gate anneal and activation process requirements through the 32 nm technology node and beyond. This type of annealing, typically called millisecond annealing, is needed for various processes in most technology nodes where even the short times used in conventional RTP are too long.

Etch

The company's Aspen III LiteEtch systems use its patented ICP source technology for isotropic etching applications on 200 and 300 mm wafers. Its another anisotropic etch system, the Alpine, provides etch solutions for low-k dielectric and copper integration, including the resist etchback and barrier layer removal applications. The Alpine features Mattson's proprietary Faraday-shielded ICP source and a bias capability that enables independent control of ion energy and ion density.

Customers and Sales

The company's customers include Canon, Samsung, Hynix, Nanya, and Chartered. Its customer base is diversified geographically and includes foundries, memory and logic device manufacturers. It has sales and support offices in China, Germany, France, Japan, Korea, Singapore, Taiwan and the United States.

Competition

The company's principal competitors in the dry strip market include Axcelis Technologies, Novellus Systems, and PSK. Principal competitors for its thermal

annealing systems are Applied Materials, Dainippon Screen Manufacturing Co., Ltd., and Ultratech Technologies. Principal competitors for etch systems include Applied Materials, Lam Research, and Tokyo Electron.

History

Mattson Technology, Inc. was founded in 1988.

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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1 – Data availability depends on company's security policy.

2 – These sections are available only when you purchase a report with appropriate additional types of analyses.
The complete financial data is available for publicly traded companies.

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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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