

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

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Abstracts

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

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

About Mechanical Technology Inc.

Mechanical Technology, Incorporated, through its subsidiaries, engages in developing and commercializing off-the-grid rechargeable power sources for portable electronics. The company has developed a patented, proprietary direct methanol fuel cell technology platform called Mobion, which generates electrical power using up to 100% methanol as fuel. The company's proprietary fuel cell power solution consists of two primary components integrated in a manufactured device: the direct methanol fuel cell power engine, which the company refers to as its Mobion Chip, and methanol replacement cartridges.

Products

Portable Power Source Products

The company is developing three product categories of its Mobion technology: external power charger products, snap-on or attached power source products, and embedded power source products. In addition, the company is working with its strategic partners and suppliers to develop removable methanol cartridges that would be used to fuel its portable power source products.

External Power Charger: The company's external power charger is a standalone device that uses a standard and universal serial bus, or USB, interface as a power output connector that can be used to recharge handheld mobile devices. The company's device is designed to provide 2.5 watts of power from its USB interface and also offer fast charge, ultra-long run time and self-charging modes.

Snap-on or Attached Power Source Products: Similar to aftermarket battery attachments, the company's snap-on direct methanol fuel cell power solution is an attached power supply that is compatible with existing portable electronic devices and offers users extended run-time power. The company's initial design is a direct methanol fuel cell camera-grip that replaces comparable rechargeable lithium-ion battery-pack grips.

Embedded power source products: The company has developed an embedded fuel cell prototype for a GPS unit. It also developed an embedded fuel cell concept model designed for a smart phone.

Strategic Agreements

In September 2008, MTI Micro and Duracell, part of The Gillette Company, which is part of the Procter & Gamble Company (Duracell) entered into a letter of intent whereby both parties agreed to explore a new relationship to collaborate on the market development and commercialization of Mobion based fuel cell systems and methanol fuel cartridges for the consumer market.

In October 2008, the company signed an agreement with a U.S. based developer and marketer of universal chargers to evaluate the feasibility, development, and production of its Mobion products.

In July 2008, the company entered into an agreement with NeoSolar Corporation, or NeoSolar, a Korean manufacturer of portable digital devices and energy products, to develop Mobion fuel cell technology for use in future models of NeoSolar portable digital devices, including ultra mobile portable computers.

In April 2008, the company entered into a development agreement with a global Japanese consumer electronics company to evaluate the feasibility, development, and production of its Mobion products.

In 2006, the company entered into an alliance with Samsung Electronics Co., Ltd., or

Samsung, to develop fuel cell prototypes for Samsung's mobile phone business. The company developed, and together with Samsung the company jointly tested and evaluated, its Mobion technology for Samsung mobile phone applications.

Customers

The company's major customers include Koyo and the U.S. Air Force.

Competition

The company's competitors for test and measurement instrumentation products include National Instruments, KLA-Tencor, Capacitec, Sigma Tech, Corning Tropel, Chadwick-Helmuth, ACES Systems, Micro-Epsilon, and Keyence.

History

Mechanical Technology, Incorporated was founded in 1961.

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.
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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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