

# Microfluidics International Corporation. Fundamental Company Report Including Financial, SWOT, Competitors and Industry Analysis

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## Abstracts

Microfluidics International Corporation. 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 Microfluidics International Corporation. and its competitors. This provides our Clients with a clear understanding of Microfluidics International Corporation. position in the Industry.

The report contains detailed information about Microfluidics International Corporation. 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 Microfluidics International Corporation.. 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 Microfluidics International Corporation. 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 Microfluidics International Corporation. 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 Microfluidics International Corporation. business.

### **About Microfluidics International Corporation.**

Microfluidics International Corporation engages in the manufacture and marketing of materials processing systems. Its materials processing systems, specifically known as shear fluid processors, are used in various applications in the pharmaceutical, biotechnology, chemical, nutraceutical/food, energy, academics, and cosmetics industries.

The company's line of lab and production equipment marketed under its Microfluidizer trademark and trade name, process premixed formulations to produce small, uniform structures, usually of the submicron and nanoscale size, including nanoemulsions and nanosuspensions.

Additionally, its equipment is used for cell disruption to harvest the cultivated contents of cells, such as e-coli, bacterial yeast, mammalian and /or plant cells and for liposomal encapsulation of materials primarily for the pharmaceutical, biotechnology, nutraceutical, and cosmetic industries.

Microfluidics Reaction Technology (MRT): In 2009, the company launched the MRT

processor, the CR5. The combination of the process development and processor was used successfully to produce drug suspensions of the desired particle size via crystallization.

## Products and Services

The company manufactures and markets the following lines of equipment:

**Laboratory Machines:** The HC Series, also known as 'Homogenizers,' includes three pneumatic (air-driven) machines—the HC-2000, HC-5000 and HC-8000—that are intended to impart moderate levels of energy into a customer's product with greater flow rates. Operating pressures of products in HC Series can range from 250 psi (pounds per square inch) to as high as 8,000 psi, and would process as much as two liters of fluid per minute.

**The M-110 Series—** The M-110 Series is a laboratory product line designed primarily for research and development applications.

**Pneumatic M-110 Series—** Standard pneumatic M-110 models can generate pressures as high as 23,000 psi and have a product flow rate on the order of one-half liter per minute. This series includes the M-110S small volume machine, the M-110L medium pressure machine, the M-110F reverse flow machine and the M-110Y high pressure machine.

**Electro-Hydraulic M-110 Series—** The M-110P is a 'plug and play' electro-hydraulic machine that incorporates a 2 HP (Horse Power) single phase motor 110v (or 220v). Its only utility requirement is a 10 or 20 amp standard electrical outlet. The M-110P can achieve process pressures of 30,000 psi with an average flow rate of 135 ml/min. It is a bench-top model that is air cooled and portable. A second generation of the M-100P was introduced in December 2009.

The M-110EH-30 includes an on-board electric-hydraulic drive system for high performance 'lab scale' micro-mixing at processing pressures up to 30,000 psi and flow rates up to 400 ml/min. The M-110EH-30 requires three phase 60Hz 208/230/460V electrical supply, compressed air, cooling fluids for product, and hydraulic oil.

**The M-140K Series—** The M-140K is a laboratory-scale unit developed for customers that require elevated operating pressures. The M-140K can achieve operating pressures up to 40,000 psi. The M-140K has a built-in hydraulic system and utilizes a bi-

directional intensifier pump that provides a uniform pressure profile.

The LV1— The LV1 was introduced in March 2010. It is a low volume processor which is capable of operating on sample sizes from 1-6 ml. The ‘plug and play’ LV1 is manually operated. It achieves pressures up to 30,000 psi and fits in a standard laboratory chemical hood.

The MRT-CR5 Machine—Microfluidics Reaction Technology CR5 (MRT) utilizes a ‘bottom- up’ proprietary approach whereby the particle is built up molecule by molecule in micro-seconds allowing not only for optimal and consistent sizing of the particles. The MRT-CR5 is a laboratory unit and can achieve operating pressures up to 20,000 psi.

## Marketing and Sales

The company formed the partnership with non-competitive company HORIBA Instruments Inc. Additionally in 2009, the company formed a partnership with Particle Sciences, Inc. a service CRO, as well as an integrated provider of both standard and nanotechnology approaches to drug development and delivery.

The company sells its equipment and services in the Americas (United States, Central and South America, Mexico and Canada), Europe, and the Middle East and Africa (EMEA).

## Customers

The company’s customers include various industries, such as pharmaceuticals, biotechnology, chemical, nutraceutical/food, academic, and cosmetic industries. The company’s customers include Novartis and Glaxo Smith Kline.

## History

The company was founded in 1983. It was formerly known as MFIC Corporation and changed its name to Microfluidics International Corporation in 2008.

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?

## I would like to order

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