

# FSI International Inc. Fundamental Company Report Including Financial, SWOT, Competitors and Industry Analysis

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## Abstracts

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

The report contains detailed information about FSI International 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 FSI International 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 FSI International 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 FSI International 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 FSI International Inc. business.

### **About FSI International Inc.**

FSI International, Inc. engages in the design, manufacture, marketing, and support of equipment used in the fabrication of microelectronics, such as advanced semiconductor devices.

The company manufactures, markets, and supports surface conditioning equipment that uses wet, vapor, cryogenic, and other chemistry techniques to clean, strip or etch the surfaces of silicon wafers and supplies refurbished microlithography products that are used to deposit and develop light sensitive films. These businesses are supported by service groups that provide finance, human resources, information services, sales and service, marketing and other administrative functions.

The company directly sells and services its products in North America, Europe, and the Asia Pacific region, except for Japan. In Japan, the company's products are sold and serviced through Apprecia Technology, Inc. (Apprecia), a company in which it maintains a 20 percent equity ownership.

Products

Systems

The company's surface conditioning (SC) systems perform etching and cleaning operations for: front-end-of-line (FEOL) fabrication steps, where integrated circuits or transistors are formed in and on the substrate during the manufacturing process; back-end-of-line (BEOL) fabrication steps, where metal wiring levels are formed on the surface of the wafer and are connected to the transistors; and wafer-level packaging surface preparation, including cleaning, etching and stripping functions necessary to fabricate solder bumps or other terminal structures needed to connect the chip to the circuit board.

**Batch Spray Processing Systems:** The company's batch spray processing systems, which include the ZETA and MERCURY Spray Cleaning Systems, are surface conditioning systems that remove unwanted films and contaminants from the surface of semiconductor wafers at various stages in the microelectronic device fabrication process. Multiple cassettes that contain up to 27 wafers each are placed onto a turntable inside the system's process chamber. As the turntable rotates, dispense ports apply a chemical spray to the wafers' surfaces to dissolve and remove the undesirable films and contaminants. After chemical application, ultra pure water is sprayed on the wafer surfaces to rinse away the chemicals. The company's control system and chemical mixing manifold allow the user to define, control and monitor a variety of chemical mixtures, temperatures and sequences. This enables the user to develop new processes and utilize the systems for multiple applications.

The company's batch spray systems are suited for applications that require removal of high levels of contamination, such as implanted photoresist and unreacted salicide metal. ZETA systems are differentiated in that they dispense fresh chemicals during wafer processing as compared to wet bench systems that may use recirculated chemicals.

The ZETA System is a fully-automated batch spray processor available in configurations for both 200 and 300mm wafers. The advanced process controls, process capability and automation are used for technology nodes, particularly from 90 nanometers (nm) down to 32nm and below. ZETA products provide an automated environment to move wafers to and from the process chamber. This tool's multi-chemical flow system allows for a range of chemical blend ratios. The system is also available in a lower cost semi-automated configuration capable of processing 150 or 200mm wafers.

In 2008, the company's ViPR technology was expanded to include stripping of

unreacted metals for metal silicide process steps most notably the nickel platinum silicide process which traditionally used hazardous aqua regia chemistry. Aqua regia (a mixture of nitric acid and hydrochloric acid) is also known to attack nickel platinum silicide degrading 45 and 32nm device performance. ViPR has demonstrated its ability to efficiently strip the unreacted metals without attacking the silicide layer.

The MERCURY System is a semi-automated batch spray processor designed for wafer sizes up to 200mm in diameter and process technologies through the 90nm node. Mercury systems offer the benefits of high performance cleans,

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.

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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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