

Trio-Tech International Fundamental Company Report Including Financial, SWOT, Competitors and Industry Analysis

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Abstracts

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

The report contains detailed information about Trio-Tech International 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 Trio-Tech International. 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 Trio-Tech International 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 Trio-Tech International 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 Trio-Tech International business.

About Trio-Tech International

Trio-Tech International provides third-party semiconductor testing and burn-in services primarily through its laboratories in Southeast Asia. The company also operates testing facilities in the United States.

The company designs, develops, manufactures, and markets equipment and systems to be used in the manufacturing and testing and production of semiconductors, and distribute semiconductor processing, and testing equipment manufactured by other vendors at its facilities in California and Southeast Asia.

Segments

The company conducts business in five segments: Testing Services, Manufacturing, Distribution, Real Estate, and Fabrication Services.

Testing Services Segment

The company uses its own proprietary equipment for certain burn-in, centrifugal and leak tests, and commercially available equipment for various other environmental tests. It conducts the majority of its testing operations in Southeast Asia with facilities in

Singapore, Malaysia, Thailand, and China.

The company's testing services are rendered to manufacturers and purchasers of semiconductors and other entities who either lack testing capabilities or whose in-house screening facilities are insufficient for testing devices in order for them to make sure that these products meet military or certain commercial specifications.

The company's laboratories perform various tests, including stabilization bake, thermal shock, temperature cycling, mechanical shock, constant acceleration, gross and fine leak tests, electrical testing, microprocessor equipment contract cleaning services, static and dynamic burn-in tests, smart burn-in tests, reliability lab services, and vibration testing. Its laboratories also perform qualification testing, consisting of intense tests conducted on small samples of output from manufacturers who require qualification of their processes and devices.

Manufactured Products Segment

Front-End Products

Artic Temperature Controlled Wafer Chucks: Artic Temperature Controlled Chucks are used for test, characterization and failure analysis of semiconductor wafers and such other components at controlled cold and hot temperatures.

Wet Process Stations: Wet Process Stations are used for cleaning, rinsing, and drying semiconductor wafers, flat panel displays magnetic disks, and other microelectronic substrates. After the etching or deposition of integrated circuits, wafers are typically sent through a series of 100 to 300 additional processing steps.

Back-End Products

Autoclaves and HAST (Highly Accelerated Stress Test) Equipment: The company manufactures a range of autoclaves and HAST systems and specialized test fixtures. Autoclaves provide pressurized, saturated vapor (100% relative humidity) test environments for monitoring of integrated circuit manufacturing processes. HAST provides an alternative to conventional non-pressurized temperature and humidity testing.

Burn-in Equipment and Boards: The company manufactures burn-in systems, burn-in boards, and burn-in board test systems. Burn-in equipment is used to subject

semiconductor devices to elevated temperatures while testing them electrically to identify early product failures. In addition, it develops cooling solution, which is used to cool or maintain the temperature of high power heat dissipation semiconductor devices.

Component Centrifuges and Leak Detection Equipment: Component centrifuges and leak detection equipment are used to test the mechanical integrity of ceramic and other hermetically sealed semiconductor devices and electronic parts for aerospace applications. Leak detection equipment is designed to detect leaks in hermetic packaging. The bubble tester is used for gross leak detection. A visual bubble trail would indicate when a device is defective.

Distribution Activities Segment

The company's Singapore subsidiary develops its international distribution activities in Southeast Asia. In addition to marketing its own proprietary products, the Singapore subsidiary distributes products that complement other manufacturers based in the United States, Europe, Japan, and other countries. The products sold include environmental chambers, handlers, interface systems, vibration systems, and shaker systems, solder ability testers, and other manufactured products.

Real Estate Segment

The company, through Trio-Tech (Chongqing) Ltd. (TTCQ), invests and rents the real estate projects. Its investment in the real estate business is in Chongqing, China.

Fabrication Services Segment

In 2009, SHI International Pte Ltd., a 55% owned subsidiary of the company, completed the acquisition of a 100% interest in PT SHI Indonesia. PT SHI Indonesia is an Indonesia-based enterprise providing fabrication of structures employed to process oil and gas and for temporary storage of the oil prior to transshipment, and related services for the offshore oil and gas industries.

Markets

The company operates in the U.S., Singapore, Malaysia, Thailand, China, and Indonesia. Its operation activities are conducted in its Singapore and Malaysia operations. It operates five testing facilities; one in the United States and four in Southeast Asia. It operates two manufacturing facilities: one is located in the United

States and the other one is in Southeast Asia. Its distribution segment, the real estate segment and fabrication services operate primarily in Southeast Asia.

Customers

The company's customers are mainly concentrated in Southeast Asia and they are either semiconductor chip manufacturers or testing facilities that purchase testing equipment. Its major customers include Advanced Micro Devices, Freescale Semiconductor, and Infineon Technology.

Significant Events

In 2010, the company registered a 100% wholly owned subsidiary, Trio-Tech (Tianjin) Co., Ltd., which would provide testing services for its customers.

History

Trio-Tech International was founded in 1958.

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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