

# Nano Superlattice Technology Inc. Fundamental Company Report Including Financial, SWOT, Competitors and Industry Analysis

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# **Abstracts**

Nano Superlattice 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 Nano Superlattice Technology Inc. and its competitors. This provides our Clients with a clear understanding of Nano Superlattice Technology Inc. position in the Industry.

The report contains detailed information about Nano Superlattice 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 Nano Superlattice 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 Nano Superlattice 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 Nano Superlattice 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 Nano Superlattice Technology Inc. business.

# About Nano Superlattice Technology Inc.

Nano Superlattice Technology, Inc., through its wholly owned subsidiary, Nano Superlattice technology, Inc. (Nano-BVI), engages in the development and production of nano-scale coating technology primarily for use in various mechanical tools and metal surfaces for manufacturers in the computer, mechanical, and molding industries in Taiwan.

#### Services and Products

The company develops and produces nano-scale coating technology to be applied to various products of its customers in Taiwan and Mainland China, primarily for use in industrial drills, milling cutters, cell phone casings and buttons and heat sinks for computers. The company's core technology coating system is the Superlattice ABS (Arc Bond and Sputtering) system coating technology.

The Superlattice ABS system technology combines multiple nano-scale layers of metals, mainly nickel and aluminum, which are known to have hardness properties and chemical resistance. The software the company uses for its coating processes is supplied by and essentially incorporated into its manufacturing machinery by Hauzer Techno Coating BV of The Netherlands.



The Superlattice ABS system is targeted towards the manufacture of hi-tech components in the aviation, electronics, defense, and precision electrical engineering industries. The company's thin film coating technology would be applied to cutting tools, molds, heat sinks, electronic components (e.g., passive components like resistors, capacitors, inductors, etc.), sensors, optoelectronics, and optics.

The company has researched, developed and tested the TiAlYCrN/CrN/c-m thin film processing technology and super-hard thin films using metallic materials, such as TiZrN, CrN and TiAlN. The company has also developed the TiAlVN multiple layer thin film, which has the hardness of a diamond. For products, such as mobile phone cases and key pads, the company's customers require coatings, which make the product smoother, sleeker, scratch resistant and aesthetically pleasing.

The company's super-hard alloy coating materials were developed for printed circuit board drills in response to market requirements for diversified, multi-layer and base materials for printed circuit boards. Compared to other thin film techniques, the ABS system is reduces friction and distortion, increasing anti-oxidation, high-speed cutting suitability and hardness.

#### Subsidiaries

The company's wholly owned subsidiaries include - Nano Superlattice Technology, Inc. - BVI; and its major owned subsidiary, Nano Superlattice Technology, Inc. - Taiwan.

# Suppliers

The company relies on two main suppliers of the nickel and aluminum used for coating - Nickel is obtained from Beijing's Great Wall Ti-Gold Corporation for use on the heatsinks coated for Compal Electronics; and Aluminum is supplied by Germany's GFE Corp., for use on cell phone numeric key pads and covers for Silitech Technology Corp. In addition, the company purchased small quantities of Vanadium from GFE Metals of Germany and both Titanium and Copper through Hong Kong's Advanced Material Technology Co. Ltd.

#### Competition

The company competes with other companies that use PVD nano-coating processes, such as American Standard in the United States; Balzers in Lichenstein; Bodycote in



England; and Ion Bond, Inc. in Germany.

History

Nano Superlattice Technology, Inc. was incorporated under the name Wigwam Development, Inc. in 1998. The company changed its name to Nano Superlattice Technology, Inc. in 2004.

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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<sup>1 –</sup> 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 3×3 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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