

CVD Equipment Corp. Fundamental Company Report Including Financial, SWOT, Competitors and Industry Analysis

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Abstracts

CVD Equipment Corp. 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 CVD Equipment Corp. and its competitors. This provides our Clients with a clear understanding of CVD Equipment Corp. position in the [Semiconductor](#) Industry.

The report contains detailed information about CVD Equipment Corp. 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 CVD Equipment Corp.. 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 CVD Equipment Corp. 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 CVD Equipment Corp. 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 CVD Equipment Corp. business.

About CVD Equipment Corp.

CVD Equipment Corporation engages in the design, development, and manufacture of customized equipment and process solutions used to develop and manufacture solar, nano and advanced electronic components, materials and coatings for research and industrial applications.

The company offers a range of chemical vapor deposition, gas control, and other equipment that is used by its customers to research, design, and manufacture semiconductors, solar cells, smart glass, carbon nanotubes, nanowires, LEDs, MEMS and industrial coatings, as well as equipment for surface mounting of components onto printed circuit boards. Through its Application Laboratory, the company provides process development support and process startup assistance.

Divisions

The company conducts its operations through three divisions: CVD, including the First Nano product line (CVD/First Nano); Stainless Design Concept (SDC); and Conceptronic, including the Research International product line (Conceptronic/Research).

CVD/First Nano is a supplier of chemical vapor deposition systems for use in the research, development, and manufacturing of semiconductors, LEDs, carbon nanotubes, nanowires, solar cells, and various industrial applications.

SDC designs and manufactures gas and chemical delivery control systems for semiconductor fabrication processes, LEDs, carbon nanotubes, nanowires, solar cells, and various industrial applications. Its SDC products are sold on a stand-alone basis, as well as together with its CVD/First Nano systems.

Conceptronic/Research designs and manufactures reflow ovens and rework stations for the printed circuit board assembly and semi-conductor packaging industries. The company's equipment is designed to melt solder in a controlled process to form connections between components. This, in turn, creates electronic circuits for computers and telecommunication systems, as well as for the automotive and defense industries.

Products

Chemical Vapor Deposition: The company's Chemical Vapor Deposition systems include necessary instrumentation, subsystems and components. It provides such standard systems and also specifically engineered products for particular customer applications. The standard systems that the company offers are for silicon, silicon-germanium, silicon dioxide, silicon nitride, polysilicon, liquid phase epitaxial, metalorganic chemical vapor deposition, carbon nanotubes and nanowires, solar cell research, and solar material quality control.

The company's Chemical Vapor Deposition systems are available in various models that can be used in laboratory research and production. All models are offered with total system automation, a microprocessor control system by which the user can measure, predict and regulate gas flow, temperature, pressure and chemical reaction rates.

Atmospheric Pressure Chemical Vapor Deposition Systems (APCVD): The company has two patents pending for a proprietary smart glass coating system family which are being marketed under the trademark 'CVDgCoat' and are being developed for On-Line use with a float glass system, and for Off-Line use to manufacture Low-E glass for windows and transparent conductive oxide coatings (TCO) for solar cell manufacturing.

Rapid Thermal Processing (RTP): The company's RTP systems are offered for implant activation, oxidation, silicide formation and other processes. It offers systems that can

operate both at atmospheric or reduced pressures. These are used to heat semiconductor materials to elevated temperatures of 1,000 degrees Celsius at rapid rates of approximately 200 degrees Celsius per second.

Annealing and Diffusion Furnaces: These systems are used for diffusion, oxidation, implant anneal, solder reflow, and other processes. The systems are normally operated at atmospheric pressure with gaseous atmospheres related to the process. The company's cascade temperature control system enables control of the wafers. The systems are equipped with an automatic process controller, permitting automatic process sequencing and monitoring with safety alarm provisions.

Ultra-high Purity Gas and Liquid Control Systems: The company's standard and custom designed gas and liquid control systems, which encompass, gas cylinder storage cabinets, custom gas and chemical delivery systems, gas and liquid valve manifold boxes and gas isolation boxes, provide safe storage and handling of pressurized gases and chemicals. Its system design allows for automatic or manual control from both a local and remote location.

Quartz ware: The company provides standard and custom fabricated quartz ware used in its equipment and other customer tools. It also provides repair and replacement of existing quartz ware.

Convection Furnaces: The company provides proprietary reflow ovens used by the printed circuit board assembly and semiconductor packaging industries.

Reflow Furnaces and Rework Stations: The company provides standard and custom systems for the printed circuit board and surface mount technology industries. Its equipment is designed to melt solder in a controlled process to form connections between components, creating electronic circuits for computers and telecommunication systems, as well as for the automotive and defense industries.

Customers

The company sells its products primarily to semiconductor manufacturers, institutions involved in semiconductor and electronic component research (such as universities, government and industrial laboratories), and to electronic assembly manufacturers.

History

CVD Equipment Corporation was founded in 1982.

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.

Contents

RESEARCH METHODOLOGY

DISCLAIMER

1. CVD EQUIPMENT CORP. COMPANY PROFILE

- 1.1. Key facts
- 1.2. Financial Performance
- 1.3. Key Executives
- 1.4. Ownership and Major Holders
- 1.5. Company History

2. CVD EQUIPMENT CORP. BUSINESS OVERVIEW

- 2.1. Business Description
- 2.2. Major Products and Services
- 2.3. Markets and Sales Activities
- 2.4. Locations, Subsidiaries, Operating Units

3. CVD EQUIPMENT CORP. SWOT ANALYSIS

- 3.1. Overview
- 3.2. Strengths
- 3.3. Weaknesses
- 3.4. Opportunities
- 3.5. Threats

4. CVD EQUIPMENT CORP. FINANCIAL ANALYSIS

- 4.1. Financial Statements
 - 4.1.1. Income Statement
 - 4.1.2. Balance Sheet
 - 4.1.3. Cash Flow
- 4.2. Financial Ratios
 - 4.2.1. Profitability
 - 4.2.2. Margin Analysis

- 4.2.3. Asset Turnover
- 4.2.4. Credit Ratios
- 4.2.5. Long-Term Solvency
- 4.2.6. Growth Over Prior Year
- 4.2.7. Financial Ratios Charts
- 4.3. Stock Market Snapshot

5. CVD EQUIPMENT CORP. COMPETITORS AND INDUSTRY ANALYSIS

- 5.1. CVD Equipment Corp. Direct Competitors
- 5.2. Comparison of CVD Equipment Corp. and Direct Competitors Financial Ratios
- 5.3. Comparison of CVD Equipment Corp. and Direct Competitors Stock Charts
- 5.4. CVD Equipment Corp. Industry Analysis
 - 5.4.1. Semiconductor Industry Snapshot
 - 5.4.2. CVD Equipment Corp. Industry Position Analysis

6. CVD EQUIPMENT CORP. NEWS & EVENTS

- 6.1. News & PR Activity Analysis
- 6.2. IR Corporate News
- 6.3. Marketing News
- 6.4. Corporate Events

7. CVD EQUIPMENT CORP. EXPERTS REVIEW¹

- 7.1. Experts Consensus
- 7.2. Experts Revisions

8. CVD EQUIPMENT CORP. ENHANCED SWOT ANALYSIS²

9. UNITED STATES PESTEL ANALYSIS²

- 9.1. Political Factors
- 9.2. Economic Factors
- 9.3. Social Factors
- 9.4. Technological Factors
- 9.5. Environmental Factors
- 9.6. Legal Factors

10. CVD EQUIPMENT CORP. IFE, EFE, IE MATRICES²

- 10.1. Internal Factor Evaluation Matrix
- 10.2. External Factor Evaluation Matrix
- 10.3. Internal External Matrix

11. CVD EQUIPMENT CORP. PORTER FIVE FORCES ANALYSIS²

12. CVD EQUIPMENT CORP. VRIO ANALYSIS²

APPENDIX: RATIO DEFINITIONS

LIST OF FIGURES

CVD Equipment Corp. Annual Revenues in Comparison with Cost of Goods Sold and Gross Profit
Profit Margin Chart
Operating Margin Chart
Return on Equity (ROE) Chart
Return on Assets (ROA) Chart
Debt to Equity Chart
Current Ratio Chart
CVD Equipment Corp. 1-year Stock Charts
CVD Equipment Corp. 5-year Stock Charts
CVD Equipment Corp. vs. Main Indexes 1-year Stock Chart
CVD Equipment Corp. vs. Direct Competitors 1-year Stock Charts
CVD Equipment Corp. Article Density Chart

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.
The complete financial data is available for publicly traded companies.

List Of Tables

LIST OF TABLES

CVD Equipment Corp. Key Facts
Profitability
Management Effectiveness
Income Statement Key Figures
Balance Sheet Key Figures
Cash Flow Statement Key Figures
Financial Performance Abbreviation Guide
CVD Equipment Corp. Key Executives
CVD Equipment Corp. Major Shareholders
CVD Equipment Corp. History
CVD Equipment Corp. Products
Revenues by Segment
Revenues by Region
CVD Equipment Corp. Offices and Representations
CVD Equipment Corp. SWOT Analysis
Yearly Income Statement Including Trends
Income Statement Latest 4 Quarters Including Trends
Yearly Balance Sheet Including Trends
Balance Sheet Latest 4 Quarters Including Trends
Yearly Cash Flow Including Trends
Cash Flow Latest 4 Quarters Including Trends
CVD Equipment Corp. Profitability Ratios
Margin Analysis Ratios
Asset Turnover Ratios
Credit Ratios
Long-Term Solvency Ratios
Financial Ratios Growth Over Prior Year
CVD Equipment Corp. Capital Market Snapshot
CVD Equipment Corp. Direct Competitors Key Facts
Direct Competitors Profitability Ratios
Direct Competitors Margin Analysis Ratios
Direct Competitors Asset Turnover Ratios
Direct Competitors Credit Ratios
Direct Competitors Long-Term Solvency Ratios
Semiconductor Industry Statistics

CVD Equipment Corp. Industry Position
Company vs. Industry Income Statement Analysis
Company vs. Industry Balance Sheet Analysis
Company vs. Industry Cash Flow Analysis
Company vs. Industry Ratios Comparison
CVD Equipment Corp. Consensus Recommendations¹
Analyst Recommendation Summary¹
Price Target Summary¹
Experts Recommendation Trends¹
Revenue Estimates Analysis¹
Earnings Estimates Analysis¹
Historical Surprises¹
Revenue Estimates Trend¹
Earnings Estimates Trend¹
Revenue Revisions¹

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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