

## Amtech Systems Inc. Fundamental Company Report Including Financial, SWOT, Competitors and Industry Analysis

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Amtech Systems 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 Amtech Systems Inc. and its competitors. This provides our Clients with a clear understanding of Amtech Systems Inc. position in the **Semiconductor Industry**.

- The report contains detailed information about Amtech Systems 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 Amtech Systems 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 Amtech Systems 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 Amtech Systems 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 Amtech Systems Inc. business.

### About Amtech Systems Inc.

Amtech Systems, Inc. engages in the design, assembly, sale, and installation of capital equipment and related consumables used in the manufacture of wafers, primarily for the solar and semiconductor industries. The company sells these products to manufacturers of solar cells, silicon wafers, and semiconductors worldwide, particularly in the Asia, the United States, and northern Europe.

The company supplies horizontal diffusion furnace systems used for solar (photovoltaic) cell and

semiconductor manufacturing. Its customers use its furnaces to manufacture solar cells, semiconductors, silicon wafers, and microelectromechanical systems (MEMS), which are used in end markets, such as solar power, telecommunications, consumer electronics, computers, automotive, and hand-held devices. It also sells its furnaces to research institutes and universities. Its customers include solar cell manufacturing companies, as well as semiconductor and wafer manufacturing companies.

## Segments

The company operates in two business segments, Solar and Semiconductor Equipment; and Polishing Supplies.

### Solar and Semiconductor Equipment Segment Products

The company's furnace and automation equipment is manufactured in its facilities in the Netherlands, France, and Massachusetts.

**Horizontal Diffusion Furnaces:** Through its subsidiaries, Tempres Systems, Inc. (Tempres) and Bruce Technologies, Inc., the company produces and sells horizontal diffusion furnaces. The company's horizontal furnaces address various steps in the semiconductor manufacturing process, including diffusion, phosphorus tetrachloride doping (POCl<sub>3</sub>), low-pressure chemical vapor deposition (LPCVD), and annealing. The company's horizontal furnaces also address diffusion and applying antireflective coating in the solar cell manufacturing process.

The company's horizontal furnaces generally consist of three large modules: the load station where the loading of the wafers occurs; the furnace section, which comprises one to four reactor chambers; and the gas distribution cabinet where the flow of gases into the reactor chambers is controlled, and often customized to meet the requirements of a customer's particular processes.

**PSG Dry Etch:** The PSG dry etch process step in the manufacturing of solar cells removes phosphorus silicate glass (PSG) that naturally occurs during the diffusion process.

**Automation Products – Solar:** The company's automation technology products are used in various semiconductor manufacturing steps and the diffusion processing step in solar cell manufacturing. Its automation equipment includes mass wafer transfer systems, sorters, long-boat transfer systems, load station elevators, buffers, and conveyers. The company uses a vacuum technology for its solar wafer transfer systems designed to offer high throughput.

**Plasma-Enhanced Chemical Vapor Deposition (PECVD):** The company's new solar PECVD product applies an anti-reflective coating to solar wafers; a coating critical to the solar cells. This solar product adds another solar cell processing step to the company's offerings.

### Automation Products – Semiconductor

**S-300:** The company's patented S-300 model provides a method of automatically transporting a batch of approximately 300 wafers to the designated tube level and automatically placing them directly onto the cantilever loader of a diffusion furnace at one time. This product is suitable for the production of various semiconductors manufactured using a horizontal furnace. The S-300 can be used in conjunction with various wafer sizes and is particularly suited for manufacturers of 300mm wafers.

**Comet:** The company's Comet and Gemini series of wafer transfer systems include a range of throughputs and footprints to serve the needs of its customers who serve the semiconductor industry. Comet Sorter with Optical Character Recognition (OCR) is used in sorting, randomizing, or compacting. The Comet Sorter is a cassette to cassette with OCR front and back scribe functions, notch alignment, and SECSII communication. Comet ID Reader checks tag carriers then reads each wafer scribe. The Comet ID Reader sends the information to the host with SECSI

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.

The complete financial data is available for publicly traded companies.

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