UNITED STATES SECURITIES AND EXCHANGE COMMISSION WASHINGTON, D.C. 20549

FORM 8-K

CURRENT REPORT Pursuant to Section 13 or 15(d) of the **Securities Exchange Act of 1934**

November 15, 2011 Date of Report (Date of earliest event reported)

Amtech Systems, Inc. (Exact name of registrant as specified in its charter)

| Arizona | Arizona 000-11412 86-0411 | | |
|--|--|--|--|
| (State or other jurisdiction of incorporation) | (Commission File Number) | (IRS Employer Identification No. | |
| 131 S. Clark Drive, Tempe, AZ | | 85281 | |
| (Address of Principal Executive Offices) | | (Zip Code) | |
| Registrant's telephone number, including area code | | 480 967-5146 | |
| | Not Applicable | | |
| (Former name | or former address, if changed since | ast report.) | |
| eck the appropriate box below if the Form 8-K file following provisions (<i>see</i> General Instruction A.2 | • | y the filing obligation of the registrant under any or | |
| [] Written communications pursuant to Rule 425 und | er Securities Act (17 CFR 230.425) | | |
| [] Soliciting material pursuant to Rule 14a-12 under | the Exchange Act (17 CFR 240.14a-12) | | |
| [] Pre-commencement communications pursuant to I | Rule 14d-2(b) under the Exchange Act (17 CFR | 240.14d-2(b)) | |
| [] Pre-commencement communications pursuant to I | Rule 13e-4(c) under the Exchange Act (17 CFR | 240.13e-4(c)) | |
| | | | |

Section 2 - Financial Information

Item 2.02 Results of Operations and Financial Condition.

On November 15, 2011, Amtech Systems, Inc. (the "Registrant") conducted an earnings conference call relating to its fiscal 2011 results ("2011

Results"). The earnings call was made available to the public via conference call and audio webcast through the website of the Registrant. The financial information included in the earnings call relating to the 2011 Results was also included in a press release issued by the Registrant on November 15,

2011. A copy of the press release is included as Exhibit 99.1 to this Current Report and is incorporated herein by reference.

The information contained in this Current Report, including the accompanying Exhibit 99.1 is furnished pursuant to Item 2.02 of Form 8-K and shall not

be incorporated by reference into any filing of the Registrant, whether made before or after the date hereof, regardless of any general incorporation

language in such filing, unless expressly incorporated by specific reference in such filing. The information in this Current Report, including the

accompanying exhibit, shall not be deemed to be "filed" for purposes of Section 18 of the Securities Exchange Act of 1934, as amended, or otherwise

subject to the liabilities of that section or Sections 11 and 12(a)(2) of the Securities Act of 1933, as amended.

Section 9 - Financial Statements and Exhibits

Item 9.01 Financial Statements and Exhibits.

Exhibit No.

Description

99.1

Press Release dated November 15, 2011.

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the

undersigned hereunto duly authorized.

AMTECH SYSTEMS, INC.

Date: November 15, 2011

By: /s/ Bradley C. Anderson

Name: Bradley C. Anderson
Title: Executive Vice President & Chief

Financial Officer

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Amtech Reports Record Fiscal Year 2011 Performance

Revenue of \$247 Million and \$2.34 Earnings Per Fully Diluted Share

TEMPE, Ariz., Nov. 15, 2011 /PRNewswire/ -- Amtech Systems, Inc. (NASDAQ: <u>ASYS</u>), a global supplier of production and automation systems and related supplies for the manufacture of solar cells, semiconductors, and sapphire and silicon wafers, today reported results for its fourth quarter and fiscal year ending September 30, 2011.

Fiscal Year 2011 Record Financial Highlights:

- Net revenue of \$246.7 million, compared to \$120.0 million in fiscal 2010
- Solar revenue of \$211.9 million, compared to \$99.0 million in fiscal 2010
- Record bookings of \$239.8 million (\$199.4 million solar)
- · Net income of \$22.9 million, or \$2.34 per diluted share, compared to net income of \$9.6 million in fiscal 2010, or \$1.04 per fully diluted share

Fourth Quarter 2011 Financial Highlights:

- Net revenue of \$59.9 million, up 32% from the prior year fourth quarter, down 17% sequentially from the third quarter
- Fourth quarter solar revenue of \$52.2 million, up 35% over the same prior year period and down 14% sequentially
- Fourth quarter bookings of \$16.8 million (\$4.7 million solar)
- Quarter-end backlog of \$85.9 million (\$71.2 million solar)
- · Fourth quarter gross margin was 34%, compared to 39% in the same prior year period and 36% in the third quarter 2011
- Operating income of \$5.3 million (including non-recurring expense of \$2.9 million), compared to operating income of \$8.9 million in the fourth quarter of 2010 and \$12.1 million sequentially
- Net income of \$3.1 million, or \$0.31 per diluted share (net of \$0.19 per diluted share of non-recurring expense), compared to net income of \$5.4 million, or \$0.58 per diluted share in the fourth quarter of 2010 and \$7.3 million or \$0.74 sequentially
- Unrestricted cash increased to \$67.4 million at September 30, 2011, compared to \$60.2 million at June 30, 2011
- J.S. Whang, Chief Executive Officer of Amtech, commented: "We are pleased to report record revenue and profitability for fiscal year 2011. Our global team delivered very positive year-over-year progress reflecting the value of our diversified products and solutions for both solar and semiconductor customers. Although total bookings were up sequentially from our June 30 quarter, solar orders were down primarily as a result of industry-wide oversupply and continuing macroeconomic headwinds. We have already reduced our labor force by 21% since peaking in the quarter ended June 30, 2011."

Mr. Whang added, "We continue to invest in the long-term growth of our business and expect to emerge from this down cycle with an even stronger product portfolio for next generation high-efficiency markets. We have a dedicated focus on both organic and inorganic growth opportunities to expand our technologies and product offerings. As previously announced, Fokko Pentinga will assume the position of CEO on January 1, 2012 leading our global business. As Executive Chairman, I will continue to participate in the oversight of Amtech's global business but also plan to further intensify the pursuit of external growth opportunities having strategic importance to our future success. We believe our newly defined responsibilities allow us to give undivided attention to the successful execution of our long-term growth objectives."

Net revenue for the fourth quarter of fiscal 2011 totaled \$59.9 million a 32% increase over net revenue of \$45.4 million for the fourth quarter of fiscal 2010. The increase was driven primarily by higher system

shipments to customers in the solar industry. Net revenue for the fourth quarter was down 17% from the third quarter's \$71.9 million. The sequential change reflects slowing market conditions within the solar and LED markets.

Total orders were up 25% sequentially at \$16.8 million (\$4.7 million solar) in the fourth quarter of fiscal 2011, compared to total orders of \$13.4 million (\$7.2 million solar) in the third quarter due primarily to increased semiconductor bookings.

At September 30, 2011, the Company's total order backlog was \$85.9 million, including \$71.2 million in solar orders. The effect of foreign exchange on backlog during the September quarter was a negative \$5.3 million. Backlog includes deferred revenue and customer orders that are expected to ship within the next 12 months.

Gross margin in the fourth quarter of fiscal 2011 was 34%, compared to 36% in the prior quarter and 39% in the fourth quarter of fiscal 2010. The lower gross margin was affected by approximately \$2.1 million in inventory write-downs and other adjustments.

Selling, general and administrative (SG&A) expenses in the fourth quarter of fiscal 2011 were \$10.1 million compared to \$12.0 million in the preceding quarter, a 16% reduction. SG&A expenses for both quarters were 17% of revenue consistent with the fourth quarter of 2010.

Research and Development (R&D) expense was \$2.1 million in the fourth quarter compared to \$1.9 million in preceding quarter, primarily due to continued investment in the Company's solar ion-implant project along with other on-going R&D projects.

The Company recorded a charge of \$2.9 million (\$0.19 per diluted share net of tax) related to cash paid for Amtech shares held by the shareholders of Kingstone Technology which they acquired in February 2011. The Company acquired the shares at a premium to the market price at September 30, 2011, and consequently the Company recorded an expense for the premium.

Depreciation and amortization in the fourth quarter of fiscal 2011 was \$0.8 million, an increase of 6% over the third quarter of 2011.

Income taxes in the fourth quarter of fiscal 2011 were \$2.6 million, reflecting an effective tax rate of approximately 50%. The high rate in the quarter was primarily due to higher valuation allowances on foreign net operating losses and provisions for uncertain tax positions in foreign countries relative to pre-tax income.

Net income for the fourth quarter of fiscal 2011 was \$3.1 million, or \$0.31 per diluted share, compared to \$5.4 million or \$0.58 per share, for the fourth quarter of fiscal 2010, and net income of \$7.3 million, or \$0.74 per diluted share, in the preceding fiscal 2011 quarter.

Outlook

The current supply/demand imbalance and global economic conditions have negatively impacted growth in the solar equipment market. Visibility is currently unclear as these conditions have caused solar cell manufacturers, Amtech's principal solar customer base, to significantly slow or push out their capacity expansion plans. As a result, the Company expects revenues in its fiscal 2012 first quarter ending December 31, 2011, to be in the range of \$21-\$23 million. Due to the significantly lower revenue volume and a planned increase in research and development spending, Amtech expects to incur a net loss for the quarter.

The Company continues to have a positive outlook for its long-term growth opportunities in the markets it serves: solar, semiconductor, and LED. With a backlog of \$86 million, a strong balance sheet and \$67 million of unrestricted cash, Amtech expects to emerge from this down cycle even stronger with its solar offerings to the next generation high efficiency market.

Operating results could be impacted by the timing of system shipments, the net impact of revenue deferral on those shipments, and recognition of revenue based on customer acceptances, all of which can have a

significant effect on operating results.

A substantial portion of Amtech's revenues are denominated in Euros. The revenue outlook provided in this press release is based on an assumed exchange rate between the United States Dollar and the Euro. A significant decrease in the value of the Euro in relation to the United States Dollar could cause actual revenues to be lower than anticipated.

Conference Call

Amtech Systems will host a conference call and webcast today at 5:00pm EST to discuss its fiscal 2011 fourth quarter and year-end results. Those in the USA wishing to participate in the live call should dial (877) 317-6789 and request the "Amtech" call. From Canada, dial (866)-605-3852 and other international locations, dial (412) 317-6789. A replay of the call will be available one hour after the end of the conference through November 23, 2011 at 9:00am EST. To access the replay please dial US toll free (877) 344-7529 and entering 10006642. From other international locations, please dial (412) 317-0088 using the same code. A live and archived web cast of the conference call can be accessed in the investor relations section of Amtech's website at www.amtechsystems.com/.

About Amtech Systems, Inc.

Amtech Systems, Inc. manufactures capital equipment, including silicon wafer handling automation, thermal processing equipment and related consumables used in fabricating solar cells, LED and semiconductor devices. Semiconductors, or semiconductor chips, are fabricated on silicon wafer substrates, sliced from ingots, and are part of the circuitry, or electronic components, of many products including solar cells, computers, telecommunications devices, automotive products, consumer goods, and industrial automation and control systems. The Company's wafer handling, thermal processing and consumable products currently address the diffusion, oxidation, and deposition steps used in the fabrication of solar cells, LEDs, semiconductors, MEMS and the polishing of newly sliced silicon wafers.

Statements contained in this press release that are not historical facts may be forward-looking statements within the meaning of the Private Litigation Securities Reform Act. Such statements may use words such as "proposed," "anticipate," "believe," "estimate," "expect," "goal," "guidance," "intend," "outlook," "predict," "project" and similar expressions as they relate to Amtech Systems, Inc. or our management. When we make forward-looking statements, we are basing them on our management's beliefs and assumptions, using information currently available to us. Although we believe that the expectations reflected in the forward-looking statements are reasonable, these forward-looking statements are subject to risks, uncertainties and assumptions including the risks discussed in our 10-K and 10-Q reports and our other filings with the Securities and Exchange Commission. If one or more of these risks materialize, or if our underlying assumptions prove to be incorrect, actual results may vary materially from what we projected. Any forward-looking statements contained in this press release reflect our current views with respect to future events and are subject to these and other risks, uncertainties and assumptions relating to our operations, results of operations, growth strategy and liquidity. We have no intention, and disclaim any obligation, to update or revise any forward-looking statements, whether as a result of new information, future results or otherwise.

Contacts:

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| | QUARTERS ENDED September 30, | | | TWELVE MONTHS ENDED September 30, | | | | |
|--|------------------------------|--------|----|-----------------------------------|-----|---------|----|---------|
| | | 2011 | | 2010 | | 2011 | | 2010 |
| Revenues, net of returns and allowances | \$ | 59,867 | \$ | 45,413 | \$ | 246,705 | \$ | 120,019 |
| Cost of sales | | 39,627 | | 27,761 | | 156,048 | | 77,307 |
| Gross profit | | 20,240 | | 17,652 | | 90,657 | | 42,712 |
| Selling, general and administrative | | 10,057 | | 7,860 | | 43,739 | | 24,075 |
| Research and development | | 2,067 | | 858 | | 5,784 | | 2,118 |
| Impairment of long-lived assets | | _ | | _ | | _ | | 610 |
| Expense related to reacquired shares | | 2,855 | | _ | | 2,855 | | _ |
| Operating income | | 5,261 | | 8,934 | | 38,279 | | 15,909 |
| Interest and other income (expense), net | | (88) | | 97 | | 30 | | (196) |
| Income before income taxes | | 5,173 | | 9,031 | | 38,309 | | 15,713 |
| Income tax provision | | 2,600 | | 3,630 | | 16,190 | | 6,150 |
| Net income | | 2,573 | | 5,401 | - ' | 22,119 | | 9,563 |
| Add: net loss attributable to the noncontrolling interest | | 502 | | _ | | 763 | | _ |
| Net income attributable to Amtech Systems, Inc. | \$ | 3,075 | \$ | 5,401 | \$ | 22,882 | \$ | 9,563 |
| Income Per Share: | | | | | | | | |
| Basic income per share attributable to Amtech shareholders | \$ | 0.32 | \$ | 0.60 | \$ | 2.41 | \$ | 1.06 |
| Weighted average shares outstanding | | 9,581 | | 9,077 | | 9,480 | | 9,022 |
| Diluted income per share attributable to Amtech shareholders | \$ | 0.31 | \$ | 0.58 | \$ | 2.34 | \$ | 1.04 |
| Weighted average shares outstanding | | 9,778 | | 9,376 | | 9,764 | | 9,237 |

| Assets | | otember 30, (Unaudited) | September 30, 2010 | |
|--|----|----------------------------|-----------------------|--|
| Current Assets | | (Chaudited) | 2010 | |
| Cash and cash equivalents | \$ | 67,382 \$ | 56,764 | |
| Restricted cash | • | 6,571 | 6,192 | |
| Accounts receivable trade (less allowance for doubtful accounts of \$246 and \$181 at September 30, | | 0,071 | 0,122 | |
| 2011 and September 30, 2010, respectively) | | 14,447 | 9,252 | |
| Unbilled and other | | 30,822 | 15,231 | |
| Inventories | | 37,162 | 24,317 | |
| Deferred income taxes | | 9,560 | 2,130 | |
| Prepaid income taxes | | 4,260 | _ | |
| Other | | 4,647 | 2,568 | |
| Total current assets | | 174,851 | 116,454 | |
| Property, Plant and Equipment - Net | | 12,680 | 9,577 | |
| Deferred Income Taxes - Long Term | | _ | 2,660 | |
| Intangible Assets - Net | | 5,021 | 2,571 | |
| Goodwill | | 13,313 | 4,839 | |
| Total Assets | \$ | 205,865 \$ | 136,101 | |
| Liabilities and Stockholders' Equity | | | | |
| Current Liabilities | _ | | | |
| Accounts payable | | 8928 | 12446 | |
| Accrued compensation and related taxes | | 10,686 | 8,305 | |
| Accrued warranty expense | | 2,265 | 1,843 | |
| Deferred profit | | 27,608 | 11,439 | |
| Customer deposits | | 7,862 | 8,858 | |
| Other accrued liabilities | | 6,775 | 1,605 | |
| Income taxes payable | | 16,670 | 6,320 | |
| Total current liabilities | | 80,794 | 50,816 | |
| Income Taxes Payable Long-term | | 2,630 | 1,010 | |
| Deferred Income Taxes Long-term | | 110 | _ | |
| Other Long-Term Obligations | | _ | 32 | |
| Total liabilities | | 83,534 | 51,858 | |
| Commitments and Contingencies | | | | |
| Stockholders' Equity | | | | |
| Preferred stock; 100,000,000 shares authorized; none issued | | _ | _ | |
| Common stock; \$0.01 par value; 100,000,000 shares authorized; shares issued and outstanding: 9,431,393 and 9,209,213 at September 30, 2011 and September 30, 2010, respectively | | 94 | 92 | |
| Additional paid-in capital | | 83,207 | 72,919 | |
| Accumulated other comprehensive income | | (2,078) | (982) | |
| Retained earnings | | 35,096 | 12,214 | |
| Total Amtech Systems Inc. stockholders' equity | - | 116,319 | 84,243 | |
| Noncontrolling interest | | 6,012 | _ | |
| Total Equity | | 122,331 | 84,243 | |
| Total Liabilities and Stockholders' Equity | \$ | 205,865 \$ | 136,101 | |

STATEMENT OF CASH FLOWS - CONSOLIDATED

(in thousands)

| | September 30, 2011 (Unaudited) | September 30, 2010 |
|--|-----------------------------------|-----------------------|
| Operating Activities | | |
| Net income (loss) | \$ 22,119 \$ | 9,563 |
| Adjustments to reconcile net income (loss) to net cash provided by (used in) operating activities: | | |
| Depreciation and amortization | 2,814 | 1,763 |
| Write-down of inventory | 1,167 | 582 |
| Provision for (reversal of) allowance for doubtful accounts | 139 | (56) |
| Deferred income taxes | (635) | (1,402) |
| Impairment of long-lived assets | _ | 610 |
| Non-cash share based compensation expense | 1,470 | 987 |
| Changes in operating assets and liabilities: | | |
| Change in restricted cash | (274) | (4,763) |
| Accounts receivable | (21,399) | (11,621) |
| Inventories | (14,194) | (12,128) |
| Accrued income taxes | 7,834 | 6,549 |
| Prepaid expenses and other assets | (1,740) | (1,752) |
| Accounts payable | (3,644) | 8,436 |
| Accrued liabilities and customer deposits | 5,137 | 12,057 |
| Deferred profit | 16,632 | 6,975 |
| Net cash provided by operating activities | 15,426 | 15,800 |
| Investing Activities | | |
| Purchases of property, plant and equipment | (5,183) | (2,929) |
| Investment in acquisitions | (1,055) | _ |
| Investment in note receivable | _ | (1,000) |
| Proceeds from note receivable | _ | 1,000 |
| Net cash used in investing activities | (6,238) | (2,929) |
| Financing Activities | | |
| Proceeds from issuance of common stock, net | 1,330 | 1,328 |
| Payments on long-term obligations | (127) | (117) |
| Excess tax benefit of stock options | 855 | 202 |
| Net cash provided by financing activities | 2,058 | 1,413 |
| Effect of Exchange Rate Changes on Cash | (628) | 182 |
| Net Increase in Cash and Cash Equivalents | 10,618 | 14,466 |
| Cash and Cash Equivalents, Beginning of Year | 56,764 | 42,298 |
| Cash and Cash Equivalents, End of Year | \$ 67,382 \$ | 56,764 |