

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

FORM 8-K/A

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

September 9, 2011
Date of Report (Date of earliest event reported)

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

Arizona	000-11412	86-0411215
(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 last report.)		

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions (*see* General Instruction A.2. below):

- Written communications pursuant to Rule 425 under 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 Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
- Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

Explanatory Note

On September 9, 2011, Amtech Systems, Inc. (the "Company") filed a Current Report on Form 8-K (the "Original Filing") with the Securities and Exchange Commission regarding the Company's request for an order granting the immediate withdrawal of its Registration Statement on Form S-3 (Registration No. 333-172115) together with all exhibits and amendments thereto (the "Registration Statement").

The press release referenced in the Original Filing as Exhibit 99.1 was inadvertently omitted from the filing. The press release is filed as Exhibit 99.1 to this Amendment to the Original Filing (the "Amendment").

There is no other change made to the Original filing. This Amendment makes no attempt to reflect events occurring after the filing of the Original Filing and does not change any previously reported disclosures contained in that document.

Item 9.01 Financial Statements and Exhibits.

<u>Exhibit No.</u>	<u>Description</u>
99.1	Press Release dated September 9, 2011, announcing the filing of the Withdrawal Application with the Commission.

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.

September 9, 2011

By: /s/ Robert T. Hass

Name: Robert T. Hass

Title: VP & Chief Accounting Officer

Amtech Announces Withdrawal of \$60 Million Shelf Registration
Adequate Cash to Fund Operations & Strategic Objectives

TEMPE, Arizona - September 9, 2011 - Amtech Systems, Inc. (NASDAQ: ASYS), a global supplier of production and automation systems and related supplies for the manufacture of solar cells, semiconductors, and sapphire and silicon wafers, today announced that its Board of Directors has approved the company's application to the Securities and Exchange Commission (the "Commission") for an order granting the immediate withdrawal of its \$60 million shelf registration statement on Form S-3 (Registration No. 333-172115), which was originally filed with the Commission on February 8, 2011.

J.S. Whang, Chief Executive Officer of Amtech, commented, "With our current healthy cash balance, we believe we have adequate cash resources to manage our current operations and continue executing on our strategic objectives, which include further improvements to our core solar diffusion technology, exploiting our N-type cell technology, developing our solar ion implant solution, and continuing our historically successful acquisition efforts. This is a time of opportunity and we remain committed to achieving these objectives."

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, semiconductors, MEMS and the polishing of LEDs and 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:

Amtech Systems, Inc	MKR Group, Inc.
Bradley C. Anderson	Investor Relations
Chief Financial Officer	Todd Kehrli or Jim Byers
(480) 967-5146	(323) 468-2300

asys@mkr-group.com