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Amtech Systems Announces \$1.9 Million New Solar Order

TEMPE, Ariz., May 16 /PRNewswire-FirstCall/ -- Amtech Systems, Inc. (Nasdaq: ASYS), a global supplier of production and automation systems and related supplies for the manufacture of semiconductors, solar cells and wafers, today announced a new order totaling approximately \$1.9 million for thermal processing and automation systems from the solar cell industry. For the fiscal 2007 year to date, Amtech has received approximately \$5.8 million of solar orders, including this most recent order.

The order is a follow-on order from an Asian-based customer and is expected to ship in the fiscal quarter ending September 30, 2007.

"We continue our ongoing strategic efforts to expand our market opportunities and further penetrate the rapidly growing solar market," said J.S. Whang, President and Chief Executive Officer of Amtech. "Interest in our solar products continues to be strong and we remain optimistic about our ability to generate additional orders in fiscal 2007."

About Amtech Systems, Inc.

Amtech Systems, Inc. manufactures capital equipment, including silicon wafer handling automation, thermal semiconductor processing equipment and related consumables used in fabricating semiconductor devices and solar cells. 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 computers, telecommunications devices, automotive products, consumer goods, and industrial automation and control systems. The Company's semiconductor handling, thermal processing and consumable products currently address the polishing of newly sliced silicon wafers and reclaimed test wafers and the oxidation and deposition steps used in the fabrication of semiconductors, MEMS and solar cells.

Statements contained in this press release that are not historical facts may be forward looking statements within the meaning of the Private Litigation Reform Act. Such statements may use words such as "proposed," "anticipate," "believe," "estimate," "expect," "intend," "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 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.

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