

July 30, 2007



Amtech Systems Announces \$4.9 Million Follow-On Solar Order

TEMPE, Ariz.--(BUSINESS WIRE)--

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 the company has received a \$4.9 million follow-on solar order for diffusion processing systems from the solar cell industry. This follow-on order of \$4.9 million is from a recent new customer based in Asia and is in addition to the \$4.4 million in solar orders Amtech announced on July 11, 2007.

For its fiscal 2007 year-to-date, Amtech has received approximately \$19.0 million of solar orders, including this most recent order. Amtech expects the \$4.9 million order to ship in fiscal 2008.

"We continue to execute our growth plan and generate strong momentum and interest for our products with current and potential new customers within the rapidly growing solar market," said J.S. Whang, President and Chief Executive Officer of Amtech.

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 diffusion, oxidation and deposition steps used in the fabrication of semiconductors, solar cells, 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 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.

Source: Amtech Systems, Inc.