



Press Release

SemEquip, Inc. Announces Completion of \$26 Million in Financing

BOSTON – August 4, 2005 – SemEquip®, an innovation leader in ion implantation systems and advanced materials for semiconductor manufacturing, announced today the successful completion of its latest round of venture financing. The oversubscribed round was led by LightSpeed Venture Partners with participation from Sierra Ventures and a group of existing private investors.

This capital infusion coincides with other significant developments at SemEquip, including: recent record breaking low energy productivity results for the ClusterIon® source technology, announcement of adoption of ClusterBoron™ (B₁₈H₂₂) by a major semiconductor equipment supplier and successful testing of its new model 520 ClusterIon® universal source.

SemEquip's patented ion source in conjunction with its advanced implant material, enable semiconductor manufacturers to pursue low power, higher speed devices with smaller geometries while continuing to employ traditional ion implantation equipment. The technology delivers high dose, low energy boron implants (such as source/drain extensions, poly gate doping, and deep source/drain) cost effectively with improved process control.

SemEquip's patented technology makes possible the commercial use of cluster beam implantation in semiconductor manufacturing by delivering mass analyzed, precisely dose controlled, impurity free, low energy doping. In addition, chip designers now have the ability to create devices requiring high dose, high tilt implants.

"The oversubscribed \$26 million round led by Lightspeed is an important validation of our technology leadership position in ion implantation systems and advanced materials," said SemEquip Chief Executive Officer and Co-Founder Brian Cohen. "This significant funding will enable us to achieve our aggressive product development and commercialization roadmap, deepen our client relationships and continue to build a world class organization."

Chris Schaepe, a General Partner at Lightspeed Venture Partners, added, "The continuing trend toward smaller fabrication geometries is creating multiple opportunities for new semiconductor manufacturing technologies as traditional manufacturing processes become less efficient at advanced process nodes. SemEquip's novel materials and systems technology are enabling major advances in the area of ion implantation resulting in lower fabrication costs, greater throughput and higher quality end products."

About SemEquip, Inc.

SemEquip, Inc. is a technology leader in the development of ion implantation systems and advanced ion source materials for the manufacture of logic and memory chips. SemEquip's technologies enable the utilization of cluster beam ion implantation for manufacturing the world's most advanced integrated circuits at the lowest cost and highest throughput. SemEquip Materials Inc. is a wholly owned subsidiary of SemEquip, Inc., which specializes in the production of advanced semiconductor materials. For additional information visit us at www.semequip.com or contact David Christopher, CFO, at 978-262-0911 x318.

About Lightspeed Venture Partners

Lightspeed Venture Partners combines extensive venture capital and operating experience to assist

entrepreneurs in creating industry-leading technology companies. Lightspeed manages \$2.3 billion in funds and focuses on early stage investments in the software and communications sectors in the United States, Europe and Israel.

The partners of Lightspeed have contributed to the success of more than 250 companies including AirGate PCS, Brocade Communications Systems, Ciena, Electronics for Imaging, Federal Express, Galileo Technology, Genesys Telecommunications Laboratories, Informatica, Kiva Software, Phone.com, Quantum Effect Devices, Sirocco Systems and Vantive. More information is available at www.lightspeedvp.com.

About Sierra Ventures

Sierra Ventures, founded in 1982, is a privately held venture capital firm focused on investments across all areas of the Information Technology sector from semiconductors to enterprise software. Sierra Ventures has managed eight venture capital partnerships and currently has more than \$1 billion of capital under management. Some of the firm's investments include ATMI (ATMI), Combinet (acquired by Cisco), StrataCom (acquired by Cisco), ConvergeNet (acquired by Dell), Quinta (acquired by Seagate), Intuit (INTU), OnLink (acquired by Siebel), Healtheon (merged with WebMD), AmeriGroup (AGP), Micromuse (MUSE), Active Software (acquired by WebMethods), Centex (acquired by WorldCom), and Interact Commerce (acquired by Sage). More information is available at <http://www.sierraventures.com>.