

PRESS RELEASE

FOR IMMEDIATE RELEASE

BTU International Introduces New Phosphorous Doping Technology at 22nd European Photovoltaic Solar Energy Exhibition

MILAN, ITALY., Sept. 3, 2007—BTU International, Inc., (NASDAQ: BTUI), a leading supplier of advanced thermal processing equipment for the electronics manufacturing and alternative energy generation markets, today introduced a new direct spray, phosphorous doping technology for photovoltaic processing. The new technology is featured in the BTU booth, G-26, Hall 16, at the 22nd European Photovoltaic Solar Energy Conference and Exhibition, September 3 – 7, Fiero Milano, Milan, Italy.

The new doper system features a nozzle-less, ultrasonic, direct spray system developed in conjunction with Ultrasonic Systems, Inc. (USI). “This patented spray technology provides superior process uniformity,” said Bob Bouchard, BTU product marketing manager for alternative energy.

BTU has incorporated this new technology in a fully integrated continuous diffusion line -- also being introduced at the show-- where it is combined with the company’s proven TFQ Series Quartz-Lined Diffusion Furnace.

The use of continuous processing offers reduced wafer handling and greater throughput than traditional batch processing. Reduced handling translates into lower breakage rates and improved yield. Typical processing times for the integrated doping and diffusion process are as short as 20-25 minutes. A single user interface for the doper and furnace controls simplify and streamline operation.

“This continuous process provides our customers with the high yields and consistent results needed to reduce cell costs through greater speed and efficiency,” explained Mr. Bouchard.

About BTU International

BTU International is a market-leading, global supplier of advanced thermal processing equipment to the electronics manufacturing and alternative energy generation markets. BTU equipment is used in the production of printed circuit board assemblies and semiconductor packaging as well as in solar cell, nuclear fuel and fuel cell manufacturing. BTU has operations in North Billerica, MA and Shanghai, China with direct sales and service in the USA, Asia and Europe. Information about BTU International is available at www.btu.com.

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