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Lambda Technologies Launches Initial Product Line for Microwave CVD Diamond

Lambda Technologies, Inc. introduced its first two microwave plasma products for deposition of diamond films using an advanced microwave chemical vapor deposition (CVD) technology at the 8th Annual Applied Diamond Conference at Argon National Lab this month. The Lambda diamond CVD technology is based on over 15 years of process development and microwave design evolution out of Michigan State University. Lambda announced obtaining the exclusive license rights for this technology in late 2004.

The two new product lines, the MST-D 2000 and MST-D 0900 Series, are fully integrated CVD systems incorporating 2.45 GHz and 915MHz microwave frequencies, respectively. Each model is available with several different power levels, options for substrate conditioning and various degrees of automation.

According to Robert Schauer, Director of Sales & Service at Lambda Technologies, "the new Lambda CVD product line offers our customers a flexible and scalable diamond deposition technology that ensures high efficiency and flexibility for applications ranging from high quality polycrystalline diamond to single crystal and nano-diamond growth. Our strategy is to combine the unique internally tuned microwave plasma reactor with Lambda's state-of-the-art system features and control techniques."

Lambda Technologies, Inc. is a capital equipment and process development company specializing in applying proprietary microwave technologies for the processing of advanced materials and other high value added heating applications.