

NovaCentrix Wins R&D 100 Award for PulseForge™ 3100

Austin, TX July 22, 2009 – NovaCentrix announced today that the PulseForge 3100 with Pulse Thermal Processing has been selected by *R&D Magazine* as a recipient of the 2009 R&D 100 Award in the Process Sciences category. This award recognizes the 100 most technologically significant products introduced in 2008. The PulseForge 3100 uses rapid pulses of high-intensity light for high-speed drying, curing, sintering or annealing of high temperature materials on low temperature substrates such as plastic and paper, enabling inexpensive and flexible electronics. The award was a joint submission of NovaCentrix and Oak Ridge National Laboratories.

“We are very excited that *R&D Magazine* has recognized the significance of the PulseForge 3100 for the manufacturing of printed electronics,” said Charles Munson, CEO of NovaCentrix. “PulseForge tools are the result our commitment to remove barriers to the wider adoption of printed electronics. For over four years PulseForge equipment has been used to sinter materials like copper powder and copper inks in room air. The PulseForge 3100 now allows high speed roll-to-roll processing of high temperature materials such as silver and copper inks, powders and films at speeds up to 100 meters per minute on low temperature substrates. Many of our customers refer to our equipment as Photonic Curing™, sintering, photosintering, or ultra fast RTP equipment, but regardless of nomenclature, the end result is that PulseForge equipment enables a wide variety of printed electronics applications. The R&D 100 Award is testament to the impact this technology can have to enable products which will soon be common-place.” The PulseForge 3100 is designed to integrate seamlessly with roll-to-roll web handling systems for continuous production processes, or with conveyor systems for handling discrete product units. The tools improve the performance of most functional inks, and are especially suited for use with NovaCentrix’ own Metalon™ inks. PulseForge tools are being used by customers in the development or production of advanced new products in applications such as photovoltaics, RFID, displays, smart packaging, medical sensors, and flexible circuits. NovaCentrix is also accepting orders for the new PulseForge 3300 which is able to process high temperature materials such as silver, copper, silicon, capacitor materials, battery materials and other ultra high temperature ceramics on low temperature substrates at up to 300 meters per minute.

About R&D 100 Award. Since 1963, the R&D 100 Awards have identified revolutionary technologies newly introduced to the market. Many of these have become household names, helping shape everyday life for many Americans. These include the flashcube, the automated teller machine, the halogen lamp, the fax machine, the liquid crystal display, the printer, lab on a chip, and HDTV. NovaCentrix will be recognized at the R&D 100 Awards Banquet on Nov. 12, 2009, in Orlando, Florida, as well as in upcoming issues of *R&D magazine*.

About NovaCentrix. NovaCentrix, based in Austin, Texas, is a leader in emerging printed electronics manufacturing technologies. Their PulseForge process development and manufacturing tools sinter functional inks in milliseconds on low temperature, flexible substrates such as paper and plastics. PulseForge tools process a wide array of metal-based conductive inks, as well as non-metallic and semiconductor inks. NovaCentrix also offers Metalon metallic inks, optimally suited for maximum performance with PulseForge tools. For more information, visit www.novacentrix.com.

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