



## PRESS RELEASE

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### Sintering with Adjustable Pulse Width Capability

Warsash Scientific delivers even greater flexibility for sintering conductive Cu and Ag metallic inks, curing thin-film substrates and for solar and surface modifications with the Sinteron 2010 from Xenon Corporation. The new Sinteron 2010 now allows for digitally programmable pulse widths, making it extremely flexible and valuable to process development.

A number of attractive features are designed into this 19 inch rack-based stand-alone system. The pulse width is adjustable in increments of 5 $\mu$ s in the range of 100 $\mu$ s to 2,000 $\mu$ s. With total control of the pulse amplitude and pulse width, the optical energy delivered by the system can be precisely controlled. As the pulse profile is very linear at maximum amplitude, a relationship of 1000J/ms can be assumed. The Sinteron 2010 allows connection for either Spiral or Linear Lamp housings. These can provide optical footprints of 19mm x 305mm or 127mm diameter areas.

The introduction of Sinteron 2010 is welcome news for those involved in photonic sintering of conductive inks for printed electronics in areas such as displays, smart cards, RFID and solar applications. The non-contact, low thermal characteristics for this process make it suitable for web-based printing techniques such as inkjet, flexography, gravure, and screen print.

In addition to offering sintering systems for the Printed Electronics industry (making it possible to print, at room temperature, on substrates such as paper and PET), Warsash Scientific offer high performance pulsed UV systems for decontamination, UV curing and Food Enhancement.

For more information on sintering and compatible instrumentation, contact Warsash Scientific on +61 2 9319 0122 or [sales@warsash.com.au](mailto:sales@warsash.com.au)

