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NEW ILLUMINATION ATTRACTS CALUMET

Calumet Electronics Corporation of Calumet, MI, USA announces a major new installation of Automated Optical Test (AOT) equipment by Lloyd-Doyle of Surrey, UK. CEC has invested in the *Excalibur*, *Redline* and *Phasor* systems thus securing the widest range of Automatic Optical Test capability available.

CEC produces a full range of printed circuit boards mainly in small to medium volumes with a fast turnaround. The emphasis in manufacturing is on continuous quality improvement with 100% customer satisfaction and installation of the latest in Automatic Optical Test technology will enable them to further these goals in a demanding market.

The *Excalibur*, *Redline* and *Phasor* systems are ideally suited for the examination of contemporary copper clad laminates such as "reverse treated foils" and chemically treated "double-treat" materials; these types of substrates have inherently low contrast but are easily managed by either of the three systems. The *Phasor* system uses ccd/fluorescent technology while the *Excalibur* and *Redline* use reflective light and together these three systems complement each other providing a complete solution for CEC's products.

"We are looking forward to working with Lloyd Doyle," commented Elden Hendrickson, Jr., CEC's procurement manager. "AOT combines the inspection process with Electrical Test fault detection logic and data preparation. The red, white, and blue systems together will effectively cover our Automatic Optical Test requirements."

Automatic Optical Test is a unique concept from Lloyd Doyle. This effectively bridges the gap between conventional AOT and ET and provides the most versatile defect system available to today's PCB manufacturer.

For more information visit www.cec-up.com

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