

Concurrent Technologies expands production capabilities

Concurrent Technologies, a leading supplier of processor board solutions for use in demanding environments, has invested in a new surface mount production line at their UK headquarters in Colchester. The company has been manufacturing onsite since 1997 and this new line adds production capacity, enabling a more flexible approach to support higher volume opportunities with the capability to decrease lead times. It also provides a degree of future proofing as it can place significantly smaller components than the ones used on current products. Having been commissioned during August, the line was signed off for IPC-A-610 Class 3 level operation and is now in use on production orders.

The most significant parts of the new production line include a screen printer and pick and place machine. The screen printer applies the solder paste to the pads on the printed circuit boards by utilizing enhanced in-built camera technology to precisely align the stencil and board. This allows for extremely accurate and repeatable application of the paste irrespective of the board size or shape.

In addition, the screen printer has a fast cycle time allowing Concurrent Technologies to reduce production time and increase assembly line efficiency. The pick and place machine is able to handle incredibly small components down to 0.4 x 0.2mm dimensions, enabling Concurrent Technologies the flexibility to undertake future projects with significantly higher levels of complexity.

The pick and place machine can accommodate a wide selection of tapes and trays to support our wide range of complex products with greater efficiency and improved quality control.



Glen Fawcett, CEO of Concurrent Technologies Plc, commented:

"Having our own manufacturing facility on site allows us to control all aspects of our production process to IPC-A-610 Class 3 level. The addition of these new pieces of production equipment grants us greater flexibility to satisfy our customers' demands while maintaining our high level of quality".