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Ucamco clears more front-end engineering bottlenecks with Ucam v8.5

The latest release of Ucamco's UCAM PCB CAM software delivers increased productivity in two areas which have historically restricted front-end engineering throughput: the preparation of complex rout profiles for rigid and flexible boards, and design optimization to increase fabrication yields.

Ucamco has rolled out an aggressive schedule of new software releases, training programs and webinars since it was re-founded as an independent provider in 2008. Each step has been based on the identification of a PCB front-end engineering bottleneck and the development of an appropriate solution to clear it.

Preparing accurate profiling tools for complex-shaped PCBs has always been a slow process. It requires entering complex data from the customer's drawing, preparing the tool data and then checking it back against the original drawing. UCAM Version 8.5.1 provides a practical real-world solution. The customer's PDF drawing is displayed directly on-screen. New profiling functionality allows the engineer to snap his profile-tool data from point to point on the drawing. Clear function icons eliminate the need for complex off-screen calculations of radii, chamfered corners etc. Flexible new dimensioning software highlights critical dimensions to check back against the customer's drawing, and generates clear drawings for shop-floor verification of the finished board. As all system fonts are supported, drawings can be easily annotated in any local language.

Design rule violation repair and design optimization for manufacturability are two important customer services to generate repeat business for PCB fabricators. As each type of PCB and each customer have individual requirements, a "one size fits all" solution does not work. UCAM's new on-screen set-up allows the fabricator to define and store a precise set of repair and optimization strategies immediately they are required and without time-consuming programming. The stored procedures then run fully automatically to deliver increased yield for the fabricator and for the customer lower prices and enhanced end-product reliability.

Ucamco (former Barco ETS) is a market leader in PCB CAM software and laser photoplotting systems. We have more than 25 years continuous experience developing and supporting leading-edge front-end tooling solutions for the global PCB industry. We help fabricators world-wide raise yields, increase factory productivity, and cut enterprise risks and costs.

For more information please visit the Software page on our website <http://www.ucamco.com> or feel free to contact Ucamco at info@ucamco.com