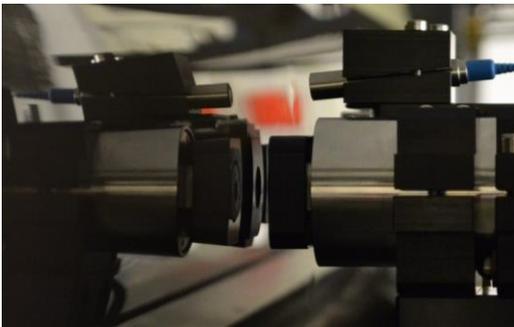


Photoplotting goes Nano

The Nano AF-100 opto-electronics system blazes a trail into the world of nano-level laser photoplotting. Designed by Ucamco's Peter Scheire to deliver the world's finest imaging capabilities to the most exacting players in premium imaging, the new optics system can be retrofitted to any existing Ucamco plotter, or offered as an option on all new systems.

Gent, Belgium – March 24, 2016 – Ucamco is delighted to announce that it is yet again setting the pace in laser photoplotting. Its brand-new Nano AF-100 opto-electronics system combines with its world-class photoplotting platforms to deliver a spot size of just 1,3 μm , unprecedented resolution capabilities of up to 101,600 ppi, and minimum feature sizes down to a tiny 4 μm . And thanks to the optics system's high-speed precision autofocus capabilities, feature accuracy is guaranteed to within 1 μm even on large format 1200mm x 1600mm films. The system can be retrofitted to all Barco and Ucamco photoplotters, or provided as an option on all new systems, and is ideal for sectors such as chemical milling, security printing, holograms and flat panel displays, all of which are uncompromising in their demand for ultrafine features and robust, reliable high-speed processes.

Using a powerful array of laser beams and specially designed high-speed Acoustical Optical Modulator and AutoFocus systems, the Nano AF-100 automatically and dynamically controls the intensity, focal point and alignment of each single beam, independently, at speed, and on the fly, delivering the very best in image quality, precision, and productivity.



The Nano AF-100 optics are complemented perfectly by Ucamco's photoplotter platforms, which are recognised throughout the world as being the benchmark for accuracy, throughput and reliability. And they're fast: thanks to Ucamco's multi-core 64-bit FlashRip software, a 460mm x 610mm film can be imaged at maximum resolutions in no more than 15 minutes. Such imaging speeds are made possible by the fact that Ucamco's plotters are built using granite beds as well as contactless movement systems with

linear motors and air bearings, guaranteeing rock-solid stability, robustness and repeatability, as well as minimal wear and tear. By the same token, all potential sources of mechanical and thermal film stress have been designed out of the systems' internal film handling systems, ensuring film stability and imaging precision throughout the entire plotting process. These strengths come with a raft of advantages such as ease of use, broad format compatibility, long-term around-the-clock reliability, unparalleled levels of uptime and minimal maintenance needs. It's no wonder that Ucamco photoplotters are the technology of choice for those who are serious about quality, reliability and productivity, and being at the leading edge. They know that Ucamco will keep them there, thanks to its unwavering dedication to engineering excellence, and its ongoing development of technology enablers such as the impressive Nano AF-100 opto-electronics system.

About Ucamco

Ucamco (formerly Barco ETS) is a market leader in PCB CAM software, photoplotting and direct imaging systems, with a global network of sales and support centers. Headquartered in Ghent, Belgium, Ucamco has over 25 years of ongoing experience in developing and supporting leading-edge photoplotters and front-end tooling solutions for the global PCB industry. Key to this success is the company's uncompromising pursuit of engineering excellence in all its products.

For more information on the Nano AF-100 and Ucamco photoplotters, please contact Ucamco:

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