

Press release
May 17, 2017

FOBA at the MD&M East and the LASER World of Photonics – Latest developments in vision-based workflow for efficient laser marking will be showcased

At the “MD&M East” (New York/US, June 13 – 15, 2017) and at the „LASER World of Photonics” (Munich/Germany, June 26 – 29, 2017), FOBA Laser Marking + Engraving will showcase laser marking solutions for a wide range of industrial applications, including UDI marking on medical devices. Featured product innovations are the patented laser autofocus and the new M3000-UV, a stand-alone M-series workstation, which has recently been supplemented by a UV-laser with camera-option.

The M3000-UV expands the existing range of available wave lengths in the so far only fiber laser equipped M-series. A UV-laser integrated in the laser class 1 marking station which is intended for flexible single or serial batch production, now provides the ability to create high contrast marks on even especially sensitive material. Due to it's minimal heat buildup, the UV-laser is most appropriate for the gentle marking of highly sensitive plastics like silicone, PVC, HDPR and also ceramics or glass.

The new autofocus system enables fast focusing with a single mouse-click and thus makes the marking process more efficient. User-friendliness is enhanced with the intuitive “Advanced Operator Plugin” (AOP). The laser marking user-interface has also been optimized further with the latest update of the laser marking software MarkUS 2.11, aimed at the prevention of marking errors. Another improvement has been made with the latest TCP/IP remote control system which enables the laser marking machines workflow to be monitored via the user's own interface.

Laser technology can apply micro marks of highest legibility, contrast and especially long-term durability on all kinds of products. By marking their products, manufacturers guarantee sustainable traceability and implement legal marking requirements. Furthermore, they obtain fraud prevention and process optimization in their parts logistics throughout the complete value-added chain.

Especially in medical, automotive or aerospace industries, the significance of laser marking is increasing. FOBA offers economic solutions for the implementation of the required marking standards on nearly every type of

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material surfaces. The integrated vision-based verification and control of the marking results sets FOBA's M-series marking lasers apart.

The integrated camera identifies product and marking position as well as surface characteristics and aligns the marks accordingly. By avoiding cost intensive marking errors at the end of the production cycle, scrap can be reduced by up to 80 percent. The verification of the marking results at the end of the marking process adds another benefit of the camera-based marking process.

At the shows, FOBA's visitors will have the opportunity to see practical demonstrations of laser marking on sample material, using vision-based demonstration machines with integrated camera.

During the „LASER World of Photonics“, laser expert Dr. Faycal Benayad-Cherif will provide a presentation about „How Innovations in Imaging Technology Have Transformed the Laser Marking Industry“. The lecture will be held on Tuesday, June 27, 2017, 14:20 p.m., at the “Photonics Forum“, hall A3 (Industrial Laser Applications).

By addressing an Email to info@fobalaser.com one can make a request for free entrance tickets and have the opportunity to pre-arrange a consultation appointment with FOBA's representatives at the show.

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Images for editorial use:



Metal pieces (ejection pins) with laser marked logo and 2D-code



Laser marked plastic silicone tube, marked with a FOBA M-Series UV Laser.



The FOBA M3000 laser marking system is a laser marking workstation with integrated camera, that functions with both Fiber or UV lasers.

For additional information and to forward reader responses please contact:

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About FOBA www.fobalaser.com

FOBA Laser Marking + Engraving is among the leaders in manufacturing and supplying precision laser systems for marking and engraving. FOBA marking lasers mark a variety of materials and parts not least in the key markets of Automotive and Medical but also in Electronics, Plastics, Safety and ID. FOBA laser workstations for marking and engraving are especially applied in the fields of Automotive part production and Medical device marking as well as in Tool, Metal and Mold Making, Plastics processing and Jewelry. Worldwide sales and service branches service the most important markets. In September 2009, FOBA has become part of ALLTEC GmbH. Since then, FOBA is part of ALLTEC as a sales channel for laser part marking and engraving.