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FOBA at FMB 2026: From Labels to Laser Marking

Selmsdorf, September 2026 – **At FMB – The Trade Fair for Mechanical Engineering, taking place in Bad Salzuflen from November 3 to 5, 2026, FOBA Laser Marking + Engraving will demonstrate how industrial identification processes can become simpler and more reliable by transitioning from labels to permanent laser marking. The company's exhibition highlights will center on the new Y.0602 fiber laser, developed specifically for applications in mechanical engineering, metalworking, metal manufacturing, and the electrical and electronics industries. Visitors to the FOBA booth will gain insights into solutions for permanent product marking, improved traceability, and enhanced process reliability in production environments**.

More and more industrial manufacturers are re-evaluating their existing identification processes. Labels create additional material and logistics costs, may become detached or damaged during production, and are increasingly reaching their limits in automated manufacturing environments. At the same time, demand is growing for durable markings that enable reliable product identification and complete traceability throughout the production process. Against this backdrop, direct laser marking is gaining importance as a key element of modern manufacturing and quality assurance strategies. Unlike labels, laser marking creates a permanent mark directly on the workpiece, simplifying identification processes and providing the foundation for reliable traceability throughout the entire product lifecycle.

New Fiber Laser Enables Efficient Marking of Complex Components

With the new Y.0602 fiber laser, FOBA introduces a solution designed for industrial marking applications involving challenging component geometries and varying workpiece heights. Thanks to its multi-level marking capability, laser marks can be applied across multiple levels within a single operation.
This opens new possibilities, particularly in metalworking applications. Manufacturers of machined components or assemblies featuring recesses, steps, and raised surfaces often need to mark different areas of a part. Conventional marking methods frequently require multiple process steps, repositioning of the component, or additional adjustments.
FOBA's new fiber laser enables these different levels to be marked without repositioning the workpiece. This capability is made possible by an industry-leading focus range of up to 99 millimeters, allowing different height levels to be processed within a single marking cycle. For manufacturers, this means shorter setup times, fewer manual interventions, and higher productivity. At the same time, consistent marking quality can be maintained across all levels of the component.

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Process Reliability Through Precise Marking and Intelligent Vision Technology

The integration of a camera-based vision system enables automated part recognition, laser alignment, and mark verification. As a result, process quality can be enhanced even when component shapes, heights, or positions vary.

"In practice, we frequently encounter components with different heights, recesses, or stepped surfaces that traditionally require multiple processing steps," explains Philipp Febel, Director Product Management. "The new Y-Series was developed specifically to address these challenges. Its large focus range allows different levels of a workpiece to be marked within a single process. This reduces setup effort while increasing productivity and process reliability."

At FMB 2026, FOBA will present live demonstrations showing how modern laser marking solutions can support manufacturing operations and unlock new potential by replacing labels with permanent direct-part marking. Interested visitors can schedule an individual consultation and receive a complimentary trade show ticket by contacting FOBA at info@fobalaser.com.

FOBA at FMB – Trade Fair for Mechanical Engineering 2026
November 3-5, 2026 | Bad Salzuflen, Germany
For more information about the exhibition, visit the official FMB website:
FMB Trade Fair for Mechanical Engineering

FOBA Laser Marking + Engraving
https://www.fobalaser.com/

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https://www.fobalaser.com/newsroom-events/news-press/foba-auf-der-fmb-2026-vom-etikett-zur-lasermarkierung/

FOBA Y.0602 fiber laser for multi-level laser marking. (Copyright: FOBA)

Multi-level marking on junction box. (Copyright: FOBA)

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About FOBA https://www.fobalaser.com/en/
FOBA Laser Marking + Engraving (a brand of **ALLTEC Angewandte Laserlicht Technologie GmbH**) is one of the leading manufacturers and suppliers of innovative laser marking solutions. FOBA's laser marking systems, marking workstations, and vision-based marking workflows are used worldwide in industries such as automotive supply, medical technology, electronics, plastics processing, and tool, metal, and mold making. A global sales network and international sales and service partners support customers worldwide. ALLTEC/FOBA, headquartered in Selmsdorf near Lübeck, is part of the U.S.-based **Veralto Corporation**.

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