

Press Release
March 25, 2019

FOBA laser marker handed over to university in Tuttlingen

Selmsdorf, March 2019 – The Innovation and Research Center (IFC) Tuttlingen of the Hochschule Furtwangen University of Applied Sciences (HFU) and FOBA Laser Marking + Engraving have officially launched their innovation cooperation for medical technology. At a ceremony on March 20 in the new rooms of the IFC on Katharinenstraße, a modern laser marking system was presented, which is now available to the university for its research as well as to interested parties from the industry for demonstration purposes.

The combination of research and industrial application is in the center of the work on the Tuttlingen campus of HFU, in the form of cooperation between the IFC and manufacturing companies as well as in education. Numerous industrial plants are available in laboratories and the IFC's own extensive machinery. With the fiber laser marking system M2000-P, which FOBA has handed over, the researchers now also use a fully equipped marking system of the latest generation.

"75 percent of our work is applied research," said innovation manager Regina Storz-Irion on the occasion of the inauguration, who, together with Professor Griselda Guidoni, established contact with FOBA. "The goal of our cooperation with industrial companies is to create benefits for the companies in the region. It also happens by putting science into practice, for example in the form of student's theses. "

In two lectures, it became clear from a scientific and practical perspective how the labeling of different surfaces using laser technology works and what the technical challenges are. Materials scientist Professor Griselda Guidoni researches which laser parameters are most suitable for which material. In order to achieve durable and high-contrast inscriptions, the laser beam must change the surface in such a way that, in addition to the desired marking effect, there is no damage to the material.

Depending on the properties of a metal or plastic, the appropriate laser parameters such as wavelength or pulse duration are determined individually. "Our systems offer the advantage that the parameters for certain materials are already integrated in the software," explained Christian Söhner from FOBA. "This way, the user can fall back on empirical values when setting up a marking job." The camera integrated in the marking system also contributes to safe and error-free marking.

Further information and appointments for a consultation in Tuttlingen at info@fobalaser.com

ALLTEC GmbH
An der Trave 27-31
23923 Selmsdorf
Germany
T +49 38823 55-0
info@fobalaser.com
www.fobalaser.com

Kontakte/Contacts
Dana Francksen
Director Marketing Communications
T +49 38823 55-240
dfrancksen@foba.de

Susanne Glinz
Marketing Communications
T +49 38823 55-547
susanne.glinz@foba.de

FOBA Laser Marking + Engraving
www.fobalaser.com

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Christian Söhner, FOBA's Global Vertical Manager Medical, holding a lecture during the opening event in Tuttlingen (picture rights: FOBA)



FOBA's sales people explaining the function of an M2000-P laser marking station at the IFC Tuttlingen. (picture rights: FOBA)

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Laser marking station FOBA M2000 now installed at IFC Tuttlingen (picture rights: FOBA)



Stainless steel medical instrument with laser marked UDI code (picture rights: FOBA)

For additional information and to forward reader responses please contact:

Susanne Glinz | Campaign Manager
ALLTEC GmbH | An der Trave 27 – 31 | 23923 Selmsdorf/ Deutschland
Tel.: +49-(0)38823 55-547
sglinz@fobalaser.com | www.fobalaser.com

About FOBA www.fobalaser.com

Alltec GmbH with its FOBA Laser Marking + Engraving brand is among the leaders in manufacturing and supplying innovative solutions for laser marking. FOBA`s marking lasers, laser marking workstations and vision assisted laser marking workflows mark a variety of materials and parts not least in the key markets of Automotive and Medical but also in Electronics, Plastics and Tool, Metal and Mold Making. Worldwide sales and service branches serve the most important markets. Since 2004, Alltec/FOBA – headquartered in Lübeck near Hamburg – is part of the US-based Danaher Corporation.