Laser Marking +
Engraving Solutions

FOBA®
Laser at your service

ALLTEC GmbH
An der Trave 27-31
23923 Selmsdorf
Germany
T +49 38823 55-0
F +49 38823 55-222
info@fobalaser.com
www.fobalaser.com

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

Anja Weich
Marketing Communications
T +49 38823 55-393
aweich@foba.de

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New UV laser marker FOBA V.0020-uv with 355 nm wavelength

Selmsdorf/Lüdenscheid, October 2013 – FOBA Laser Marking + Engraving introduces a new UV laser marker, FOBA V.0020-uv, for the high-contrast laser marking of various plastics and highly sensitive products and materials.

FOBA‘s ultraviolet marking laser V.0020-uv achieves high-contrast marks on various plastics and highly sensitive products and substrates. The energy of the shortwave ultraviolet laser light (355 nm) causes a photochemical reaction on the processed product. The product surface is altered with very little heat dissipation – a process referred to as cold marking. Thanks to this minimal heat input during marking also highly sensitive products and materials can be marked almost damage-free and with high contrast. This makes FOBA‘s UV laser marker V.0020-uv an optimal solution for marking products such as aircraft cables, translucent or colored tubes used in various industries, medical plastics for invasive applications, flame-resistant plastics for electronic housings or glass.

FOBA V.0020-uv alters the product surface photochemically (instead of foaming the material) so that the product remains essentially unharmed. This is how permanent laser marks, resistant to typical sterilization processes, can be achieved on medical devices such as catheters or insulin pumps, and this is also how filigree and brilliant laser marks can be applied on glass without breaking the glass. With V.0020-uv previously not damage-free markable materials such silicones or white polyamides can now be laser marked and stay undamaged.

The UV laser marker FOBA V.0020-uv enables:

- The safe and damage-free laser marking of sensitive and critical materials
- Hygiene and sterility for UV laser marked medical plastics
- Filigree and high-contrast markings

Thanks to the use of long-lasting optical components and an efficient air-cooled design, FOBA V.0020-uv is a low-maintenance and economic marking laser. The possibility of marking products solvent-free and without additives makes FOBA‘s UV laser marker an eco-friendly and consumable-free marking solution.

Photography for editorial use

1] UV marking laser V.0020-uv for high-contrast marks on various plastics and highly sensitive products

2] Cannula for invasive use with laser mark that can be sterilized, laser mark was applied with FOBA V.0020-uv

For additional information and to forward reader responses please contact:

Dana Francksen | Manager Marketing Communications
ALLTEC GmbH | An der Trave 27 – 31 | 23923 Selmsdorf/ Deutschland
Tel.: +49-(0)38823 55-240 | Fax: +49-(0)38823 55-222
dfrancksen@foba.de | www.foba.de | www.fobalaser.com

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 Electronics, Automotive, Plastics, Medical, Safety and ID. FOBA laser engraving machines are especially applied in the fields of Tool, Metal and Mold Making, Medical Technology, Jewelry and Coinage. 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.