

## Press Release

### Laser 2000 introduces a robot controlled system for contact lens engraving and sorting

*Wessling, 2010-09-20* The MC-Flexc-ROB is a robot controlled semi-automatic system for contact lens engraving.

The system can handle calottes with RGP lenses and soft lenses as well as aluminium calottes. Besides the high-quality Excimer engraving, the system also features a function for sorting the lenses after the engraving process.

#### MC-Flexc-ROB Features

- Productivity depending on the type and amount of engraving required – up to 150 lenses / hour
- Unlimited number of engravings
- Optimum “cold ablation” Excimer engraving quality
- Cost-effective system with regular one-year-service cycle

Laser 2000 has developed the MC-Flexc laser engraving system which combines precise mask projection with a high-speed galvanometer laser beam scanning system. This means an unlimited combination of characters, patterns or codes can be engraved.

**The system provides full pulse speed but is far more economical than the conventional Excimer laser demagnification principle.**

The method is very fast since the full pulse speed of an Excimer laser can be leveraged fully and is far more economical since most of the laser energy can be applied. Conventional methods are less flexible because every time the character is changed, the aperture has to be changed. The systems also require more powerful and therefore more expensive laser systems.

By selecting appropriate laser parameters, text heights can be reduced to approximately 20 µm. As far as the graving is concerned, customers can choose whatever contrast and appearance they wish. In the meantime, the patented MC-Flexc system has become the international standard in the ophthalmic industry. It can be used in all situations where conventional laser products fail to operate properly due to micro-cracks or unclear marking results.

#### About Laser 2000 International

LASER 2000 International is the market leader in ophthalmic systems for professional laser engraving, digital ink-jet printing, quality inspection & mapping and customised solutions. LASER 2000 International Ophthalmic was established in 2000. Since then, our systems have become industry-proven all over the world. Our laser engraving and printing systems are operated successfully by more than 100 installations worldwide. Other than ophthalmic customers, Laser 2000 also has reference customers in the automotive and semiconductor industries as well as in numerous research institutes and facilities.

For more information, please see: <http://laser2000ophthalmic.com/en/node/87>

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VISION EXPO West  
Las Vegas  
October 6-9



The calottes are used during the engraving process and other production steps to carry RGP lenses, contact lenses and other special types of lens. The interaction of a mechanical 5-axis robot and a free-form calotte is a unique combination which allows individual, very fine and highly accurate engraving results to be applied at any lens position.