

Press release

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Latest Ink-Jet Technology trends: Cost-effective and flexible Ink-Jet system for super hydrophobic lenses

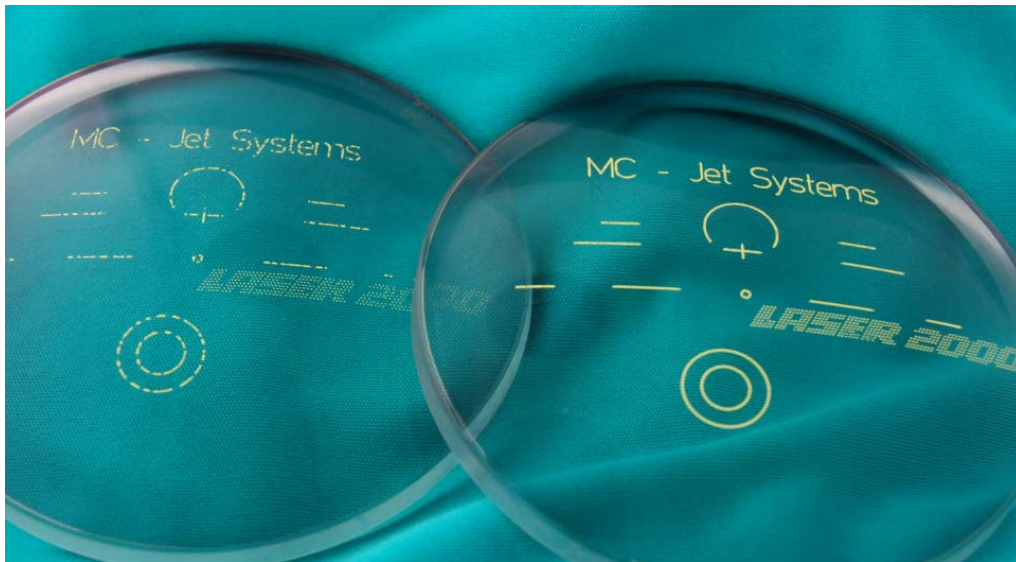
Wessling, 17 July 2009 MC-Jet printing systems became the new standard in Ophthalmic RX-Labs. The flexible ink marking with Laser 2000 Ophthalmic Inkjet System MC-Jet has been proven to be the proper printing process.

The conventional pad-printing technique shows a number of disadvantages, especially on hydrophobic and super-hydrophobic surfaces. The MC-Jet technology gets rid of these problems, and based on the Ink-Jet-Principle it leads to an attractive way out of existing limitations.



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MC-Jet print on super hydrophobic coated lens with identical parameters ...

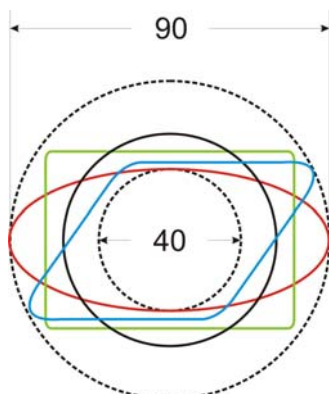


by conventional technology

by SHM

The new Super-Hydrophobic-Module (SHM) is a milestone for perfect print with higher density even on super hydrophobic lenses. This SHM module optimises printing results and generates an abrasion proof homogeneous appearance.

Furthermore adhesion raised and drying time has been reduced to some seconds. Ink removing is a simple job the optician manages with the routine solvents.



Besides the capability for round lens handling the new MC-Jet systems are determined even to handle lenses with a complex shapes and diameters.

MC-Jet system design allows integration of function modules like measurement- and inspection as well as laser engraving technologies and individual customised components.

These extensions expand the MC-Jet systems to highest flexibility and make it adaptable to any individual RX lab.

Flexible lens shapes and diameters to be handled

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This reasonable and high resolution non contact printing technology for permanent as well as temporary printing has been developed from Laser 2000 GmbH in cooperation with 3D-Micromac AG. It is patent pending and has become a trendsetter within the last years. More info: www.laser2000ophthalmic.com

Typical MC-Jet characteristics

- ▶ Individual marking of mixed contents
- ▶ High flexibility by waiver of clichés
- ▶ Touch less printing
- ▶ No slip or distortion on convex or concave lenses
- ▶ No (!) cliché costs
- ▶ Minimum ink consumable costs
- ▶ Environment protection by low solvent consumption

About Laser 2000:

The Laser 2000 Ophthalmic started in the year 2000. Meanwhile our systems are industry-proven all over the world. Our laser engraving and printing systems are operated successfully by more than 50 companies worldwide. Other than ophthalmic, Laser 2000 also has reference customers in automotive and semiconductor industries as well as in numerous research institutes and facilities.

More infos: www.laser2000ophthalmic.com

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