Automated cosmetic inspection : enhancing lens quality control

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To move toward a smart world, we must continue to develop smart labs. Automating cosmetic inspection is a key step in this evolution for the ophthalmic industry. A&R, in collaboration with IOT, has developed an innovative solution that integrates cosmetic inspection with traditional lens quality control, creating a fully comprehensive system.

From theory to practice, we will share insights from our pilot projects, illustrating how this solution improves efficiency and consistency.

Intelligent methods of image analysis and data processing are crucial for enabling precise and automated lens inspection, facilitating the transition to smart manufacturing in optical labs.

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Invitation

MAFO
THE CONFERENCE

The optical lab **in a smart world**

Dear spectacle lens experts,

We invite you to the upcoming **MAFO – The Conference 2025** in Milan. This is your chance to listen to exciting technical lectures dedicated to the optical industry and to meet like-minded people from the ophthalmic lens industry.

When: **One day before Mido**
Friday, February 7, 2025
Where: **Fiera Milano Rho**

The 23rd edition of MAFO – The Conference is dedicated to the motto:

The optical lab in a smart world

As, in a digital, smart world, the optical laboratory is the linchpin between industry and opticians. Trends such as automated cosmetic inspection, paperless production, smart glasses and VR refraction are influencing laboratories from all sides.

Let's innovate and inspire together to shape the future of ophthalmic optics. Take part in MAFO - The Conference 2025 and book your ticket now!

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ticket.mafo-optics.com

Date: Friday, February 7, 2025 (one day before Mido)
Location: Fiera Milano Rho (Italy)
Chairman: Peter Baumbach

Dr. Tomas Sluka CREAL	Light-field technology: blending vision care with smart eyewear
Dr. François Van Lishout & Eduardo Pascual Automation & Robotics and IOT	Automated cosmetic inspection: enhancing lens quality control
Dr. Hua Qi Hoya Vision Care	How to evaluate the optical performance of a spectacle lense with micro lens array
Koji Abe & Miho Uechi Nidek	Digitalization and automation of lens tinting processes with an environmentally friendly method
Joanna Zhang & Xavier Bultez Satisloh	E-ticket system: a digital job ticket that improves production workflow
Dr. Bruno Berge & Dr. Jessica Jarosz Laclarée	Advances on presbyopia compensation with autofocus spectacle lenses
Pau Artús Horizons Optical	Next generation centering devices. AI is taking over.
André Durow brillenstudio N	High-end progressive lenses - neither comparable nor comprehensible
Dr. Marcel Mahner Schneider	The first AI-based on-block power measurement and cosmetic inspection within a holistic system
Jamal El-Hindy Filtertech	A smart investment: filtration & waste management
Mo Jalie Only digitally available	Development of the modern spectacle lens

Panel discussion:
The optical lab in a smart world

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