

Towards personalised spectacles manufacturing and delivery in delocalized mini-factories.Genk, 28th of March 2014

Genk (27th of March 2014). Melotte hosted the second consortium meeting of the European project Optician2020 (*Flexible and on-demand manufacturing of customised spectacles by close-to-optician production clusters*).

The meeting aimed at tracking the progress of the project that encompasses research on advanced manufacturing, personalised design, knowledge-based engineering for production, sustainable industrial production technologies, anthropometrics and ergonomics of human-product interaction all joint under the vision care industry.

At the meeting, the development of the metrological scanner that records end-user facial anthropometrics measurements, as well as the first sketches of polyamide and metallic frames designs already manufactured were discussed by the consortium. The advances concerning the mini-factory IT architecture of the platform that manages the personalized spectacles manufacturing and delivery were presented.

Research institutions (ASCAMM, IBV), private companies (Melotte, 3TRPD, Satisloh, INDO and K-INT), opticians and RX labs (PITA, LensWorld and Alcom) work together with the common objective of developing fully personalised spectacles in view of demonstrating that the personalized spectacles business can be fashionable, sustainable and at the same time a profitable proximity manufacturing industry.

OPTICIAN2020 is a 3-years-project co-funded by the European Commission within the Factories of the Future initiative of the 7th Framework Programme that builds on the outcomes of the concluded European project Made4U. After Optician2020, partner INDO, a reference company with more than 75 years of experience in the field of ophthalmic optics, will be positioned in the frontline of the fast growing market of fully personalized spectacles.

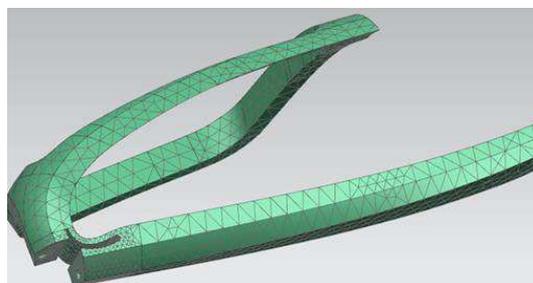


Figure 1. A simulation of a polyamide frame design.

Coordinated by [Fundación Privada Ascamm](#) (Barcelona, Spain), the consortium is formed by 10 partners from 6 European countries and it balances the active participation of large, small & medium enterprises together with technological centres.

Melotte is a Belgian industrial company pioneer in Direct Digital Manufacturing (DDM) that specializes in R&D, engineering, manufacturing and service of high precision solutions with the goal of reducing the amount of natural resources and energy needed in the production process and to prevent global warming. 3D printing in metals is part of Melotte's complete digital supply chain which stimulates local manufacturing through front-end technology transition. Radical innovation strategies combined with the company's multi-industry approach in order to develop cross-over applications make part of Melotte's success worldwide.

For further information, see: www.optician2020.eu