



Characterization tool Device for non-invasive measurement

Keywords:

- * Imaging technology
- * 3D Technology
- * Technology for skin characterization

Device for the characterization and simulation of the effect of cosmetics on the skin irradiance in 3D

Irradiance is a factor to be considered in the application of different cosmetics on skin. It is important for cosmetic to anticipate any change or improvement of the skin. To date, there is no simple technique to quantify the irradiance of a face, to evaluate and simulate the effect of cosmetics on the skin glow. Existing technologies for characterizing the effects of cosmetics are based on spot measurements in 2D and under non natural and specific lighting conditions. The device developed with an adapted software allows picture treatment and analysis on the basis of acquisitions in ambient light conditions to provide a comprehensive and suitable solution.

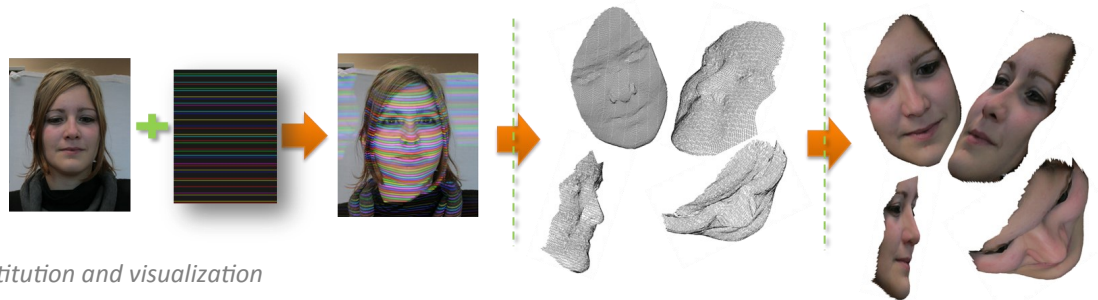
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Exemple of 3D reconstitution and visualization

➔ BENEFITS

- Reconstruction and visualization of 3D face
- Quantification in 3D of the skin irradiance and any cosmetic effect
- Irradiance measurement of the entire face
- Method using ambient light conditions adapted to the use of cosmetics
- Rapid and non-invasive approach

➔ APPLICATIONS

- ◆ In Cosmetic:
 - ⇒ Evaluation of the effects of cosmetics on the skin in R&D
 - ⇒ On-site to promote sales by simulating the effect of cosmetics
- ◆ Investigation underway on other potential areas

➔ DEVELOPMENT STATUS

Validation tests (CRO) on 20 subjects and 3 cosmetics
Available in the laboratory prototype stage

➔ INTELLECTUAL PROPERTY

Consolidation in progress