

AEVA software



Introduction

The AEVA software is dedicated to the in vivo and in vitro skin relief analysis for clinical studies and efficacy testing. It is specifically designed to control our 3D measurement solutions based on the fringe projection scanners: EvaBODY, EvaFACE, EvaSKIN, EvaSURF, AEVA-HE, DermaTOP-HE.

It allows to easily manage the panel of volunteers in various studies at the required time points. Once all the measurements are completed, the software analyses automatically all the data.

The user is guided from study definition to results, through an intuitive and multilingual user interface.

Features

The user is guided through the creation of the project while the software offers predefined choices:

- depending on hardware configuration
- according to the desired claim
- among several zones of interest (21 in total)

These choices will automatically determine the required parameters for data acquisition and analysis. Nevertheless, the user retains the possibility to change these settings. The software provides keys to ensure quality data.

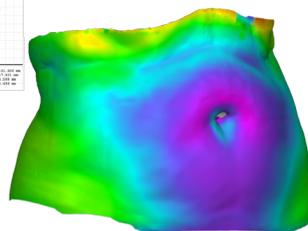
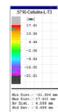
The analysis results are provided as charts of values (csv format) and visuals.

Values

- Profile and surface roughness
- Patterns detection (pores, wrinkles, folds...)
- Volume (eyebag, ptosis, cellulite, body parts)
- Pattern density and wrinkles depth classes
- 3D comparison and shape change

Visuals

- 3D models with and without color texture
- Location of extracted areas
- Topographies of extracted zones (ROI)
- Patterns
- 3D video



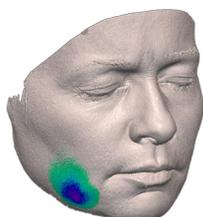
SLIMMING EFFECT



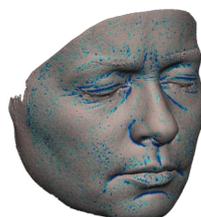
CELLULITE



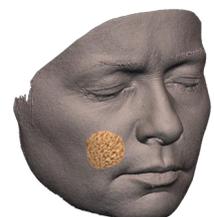
COLOUR TEXTURE



VOLUME CHANGE



FEATURE DETECTION



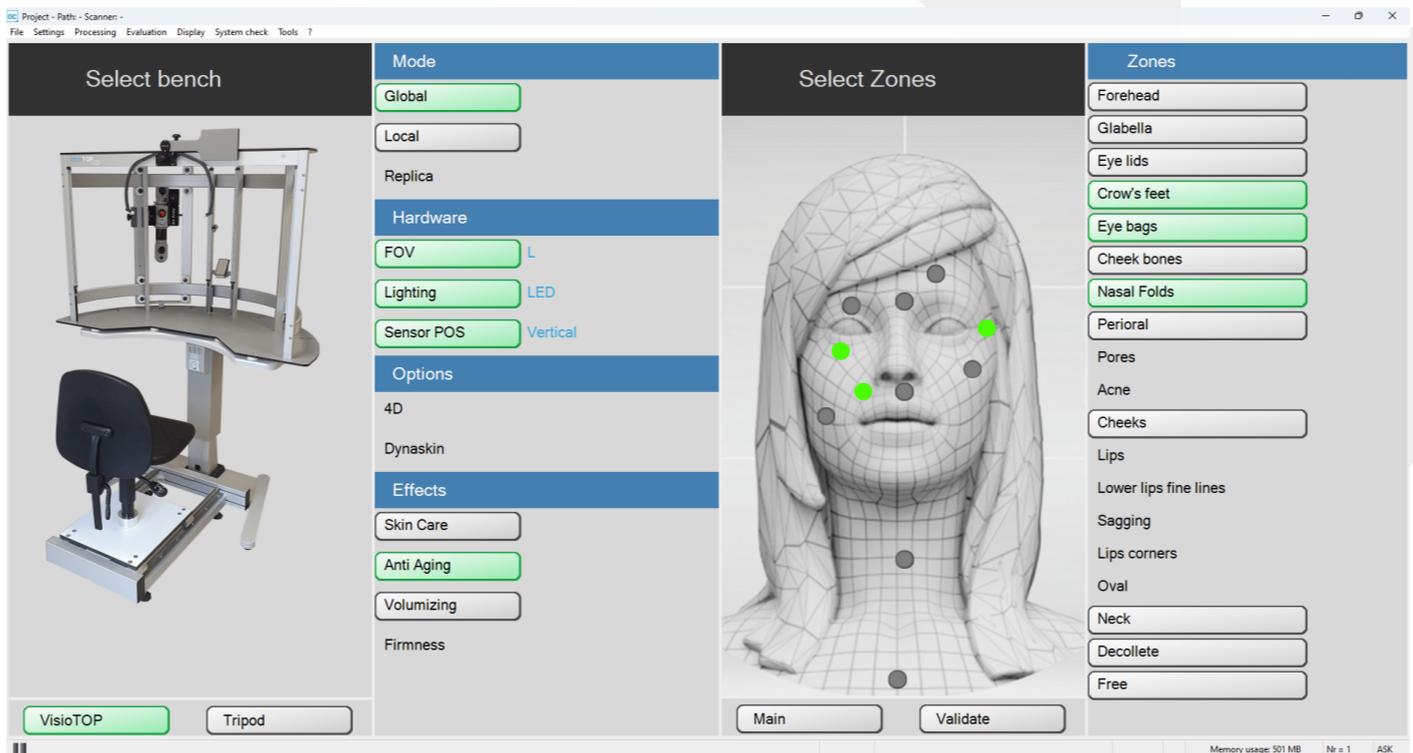
ROUGHNESS

Additional functionalities

The software offers several marketing tools like 3D animations of the full face or a selected ROI, as well as custom illustrations.

Several optional modules have been developed to answer specific customer's needs.

- **Face & lips 3D** : calculation of geometric values (lengths, distances, angles, lips volumes, beauty ratio)
- **4D** : sequential acquisitions of the face during expression changes. It demonstrates expression wrinkles and their remanence over time
- **DynaSKIN 2** : thanks to an additional air blowing accessory, it allows to measure the skin firmness in the center of the cheek accurately and reproducibly.



Face project creation

Technical specifications

Computer	High performance workstation with NVIDIA 3D graphics card
Platform	Windows 11
Communication	USB port for software license dongle

AEVA software is supplied with a perpetual user's license.