



**EOTECH**  
more for science



Skin  
& Face

# EvaFACE<sup>3D</sup>-S5

The Standard Skin Scanners  
for **in vivo testing**

.....  
High resolution measurement system  
for skin topography and face  
topology changes



# Method

**Technology:** The state of the art combining fringes projection and stereovision, also called active stereometry, provides the largest field of view with the highest resolution. It offers pixel resolution in X, Y, high accuracy in Z, less sensitive to movement. Based on high quality and stability components, different field of views are available by simply changing objectives sets to switch from small to large measurement areas ( from skin structure to body part).

**Positioning:** The panelists are installed on the visioTOP 300 positioning bench for stable and repeatable positioning and re-positioning between the different measuring time points. Managing the volunteers and getting reliable and repeatable results becomes much easier.

**Software:** The Aeva software guides the user through acquisition routine, runs automatic batch processing and evaluation of the 3D data providing results as CSV files, figures and pictures. It offers unique multi-zones, multi-scaling analysis functionalities.

# Applications



**Face part: EvaFACE<sup>3D</sup>** for topology changes: re-pulping, firming, fine lines & wrinkles visibility\*, sagging, evaluation, skin replica, eye bags, lips and sagging, cheek, nasal folds, glabella, dimples and nodules for cellulite

\* Only if spatial resolution of the FOV used is good enough



**Global face: EvaFACE<sup>3D</sup>** for topology changes: re-pulping, firming, fine lines & wrinkles visibility\*, oval and sagging

\* Only if spatial resolution of the FOV used is good enough

## Advantages/benefits:

- High performance system, robust and reproducible
- Flexible system offers local to Face part analysis
- Simple to use, minimum setting and skill required
- Good value price performances

## Claims support:

### Local zone:

Anti-ageing, anti-Wrinkles, pores reduction, smoothing, hydration, repulping

### Face part or global:

rejuvenation, fillers, mesotherapy, firming, reshaping, restructuring, anti-ageing

# Technical Data

## Configurations:

Field Of View	300
Local	X
Face part	V
Global face	V



**Local zone:** 2D or 3D roughness statistics, height distribution on topographies  
Statistics (number, volume, area, depth, circumference) on main wrinkles and folds  
Skin features density of pores, fine lines and wrinkles \*  
Deviation (pseudo color display) and volume of the topographies (eye bags, lips, sagging and oval)  
\* Spatial resolution may limit detection of very fine details

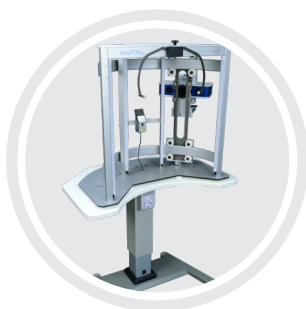


**Face part & Global:** Multi zone extraction and analysis  
Comparison on the shape changes with statistical deviation and pseudo color display  
Volume of the difference, section length, distance between points and angle calculations  
Skin features density (wrinkles and folds) \*  
Section length, distance and angle measurements



## Linked Products:

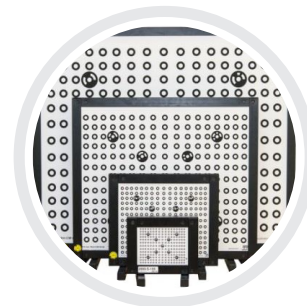
### Positioning benches



### Step gauge



### Calibration plate



## Measurement specifications:

Triangulation angle: 27 degrees  
Base length: 270 mm  
Operating distance: 370 mm

System	<b>EvaFACE</b>
Field Of View	300
Field Of View depth (mm)	280 X 180
Measuring depth (mm)	160
X, Y resolution (µm)	82
Resolution limit (z) (µm)	10
Feature accuracy (µm)	±15

## Technical specifications:

Camera resolution	2 x 5Mpx	
Projection unit	Miniaturized projection technique	
Light source	50 W high-power LED white	
Acquisition time	1 second	
Sensor weight	4 kg	
Dimensions	W 300 x D 210 x H 175 mm	
Power supply	AC 110/230 Volt, 50-60 Hz	
Control unit	150 W, USB 3.0	
Computer configuration	Hard Drive	1 To SSD
	Processor	>I7 10900K 3.7 GHz
	Graphic card	Nvidia Quadro >4Go
	RAM	16 Go
	Operating system	Microsoft Windows 10 x64

## Contact

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