



EOTECH
more for science



Skin
& Face

EvaSKIN^{3D}-S5 EvaFACE^{3D}-S5

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

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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 stereo-metry, provides largest field of view with the highest resolution. It offers pixel resolution in X, Y, high accuracy in Z, less sensitive to movement.

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



Local zone: EvaSKIN^{3D}-S5 for skin micro structure, pores, fine lines & wrinkles evaluation, skin replica, eye bags, lips and sagging, cheek, nasal folds, glabella, dimples and nodules for cellulite



Face part: EvaSKIN^{3D}-S5 for topology changes: re-pulping, firming, fine lines & wrinkles visibility*, sagging

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



Global face: EvaFACE^{3D}-S5 for topology changes: re-pulping, firming, fine lines & wrinkles visibility*, oval and sagging

* Only if spatial resolution of the used FOV 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	125 (evaSKIN)	300 (evaFACE)
Local	✓	
Face part	✓	✓
Global face		✓



Local zone: 2D or 3D roughness statistics, height distribution on topographies
 Statistics (number, volume, area, depth, circumference) on pores, fine lines, 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)



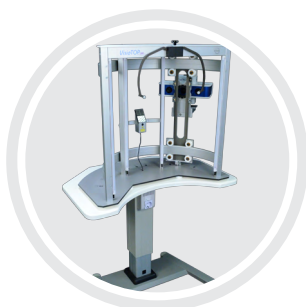
Face part & Global: Multi zone extraction and analysis
 Comparison on the shape changes with statistical deviation and pseudo color display
 Volume of the difference, section length, distance between points and angle calculations
 Skin features density (pores, fine lines wrinkles and folds) *



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

Linked Products:

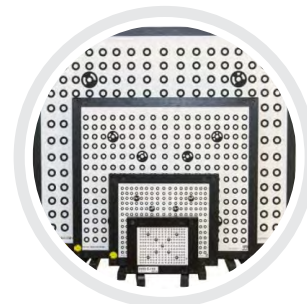
Positioning bench



Step gauge



Calibration plate



Measurement Specifications:

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

System	EvaSKIN	EvaFACE
Field Of View	125	300
Field Of View depth (mm)	100 x 80	270 X 180
Measuring depth (mm)	65	150
X, Y resolution (µm)	40	82
Resolution limit (z) (µm)	7	10
Feature accuracy (µm)	±7	±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
	Processor	Xeon or I7 ≥ 3.5 GHz
	Graphic card	Nvidia Quadro >2Go
	RAM	≥ 24 Go
	Operating system	Microsoft Windows 10 x64

Contact

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