



EOTECH
more for science



Skin
& Face

EvaFACE^{3D}-S5

The Standard Skin Scanner
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. It is based on high quality and high stability components allowing measurements on face skin features to face shape and volume.

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^{3D} for topology changes re-pulping, firming, fine lines & wrinkles visibility*, skin replica, eye bags, lips and sagging evaluation, cheek, nasal folds, glabella, dimples and nodules for cellulite

* Spatial resolution may limit detection of very fine details



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

* Spatial resolution may limit detection of very fine details

Advantages/benefits:

- High performance system, robust and reproducible
- Flexible system, offers Face local zone to global analyses
- Simple to use, minimum setting and skill required
- Good value price /performances

Claims support:

Local zone:

Anti-ageing, anti-Wrinkles, 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 zones: Multiple zones extraction and analysis
2D or 3D roughness statistics, height distribution on topographies
Statistics on main wrinkles and folds (number, volume, area, depth, circumference)
Skin features density of 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

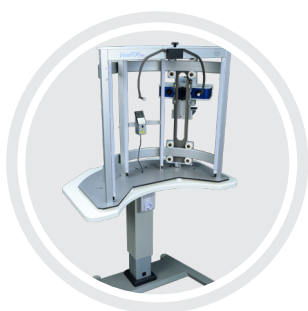


Face part & Global:
Comparison on the shape changes with statistical deviation and pseudo color display
Volume of the difference, section length, distance between points and angle calculations
Skin features density (wrinkles and folds)
Section length, distance and angle measurements



Linked Products:

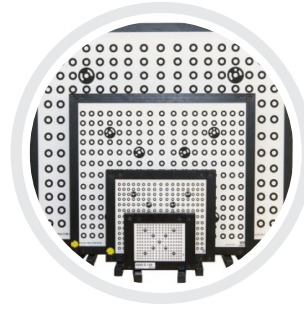
Positioning benches



Step gauge



Calibration plate



Measurement specifications:

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

System	EvaFACE^{3D}-S5
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 10700K 3.7 GHz
	Graphic card	Nvidia Quadro >4Go
	RAM	32 Go
	Operating system	Microsoft Windows 10 x64

Contact

EOTECH SAS

1, ZI du fond des prés
91460 Marcoussis – France
Tel : + 33 (0)164 497 130
Fax : + 33 (0)164 493 229
Web : www.eotech-sa.com

DISTRIBUTOR