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EvaSKIN

The Standard Skin Scanner
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 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 component allowing measurements from skin structure to face part.

Positionning : The panelists are installed on the VisioTOP 300 positionning bench for stable and repeatable positionning and re-positionning 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 multizones, multi-scaling analysis functionalities.

Applications

Local zone: EvaSKIN 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 for topology changes Local re-pulping, firming, sagging, local volume changes (eye-bags, cheek, sagging, lips)

Claims support:

Local zone:
Anti-aging, anti-wrinkles, pores reduction, smoothing, hydration, repulping

Face part:
rejuvenation, fillers, mesotherapy, firming, reshaping, restructuring, anti-aging

Advantages/benefits:
· High performance system, robust and reproducible
· Flexible system offers Face local zones to part analyses
· Simple to use, minimum setting and skill required
· Good value price performances

Technical Data

Field Of View	125
Local	V
Face part	V
Full face	X

Local zone: Multi zones extraction and analysis
2D or 3D roughness statistics, height distribution on topographies
Statistics on pores, fine lines, wrinkles and folds (number, volume, area, depth, circumference)
Skin features density of pores, fine lines and wrinkles

Face part :
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)
Section length, distance and angle measurements
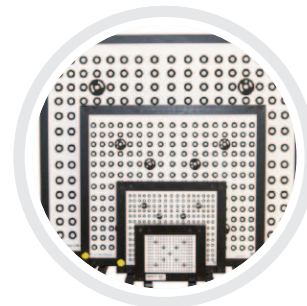
Linked Products :

Positioning benches

Step gauge

Calibration plate

Measurement specifications :

Triangulation angle: 27 degrees **Base length: 270 mm** **Operating distance: 370 mm**	
System	EvaSKIN
Field Of View	125
Field Of View depth (mm)	100 x 80
Measuring depth (mm)	65
X, Y resolution (µm)	40
Resolution limit (z) (µm)	5
Feature accuracy (µm)	±9

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	16 Go
	Operating system	Microsoft Windows 10 x64

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