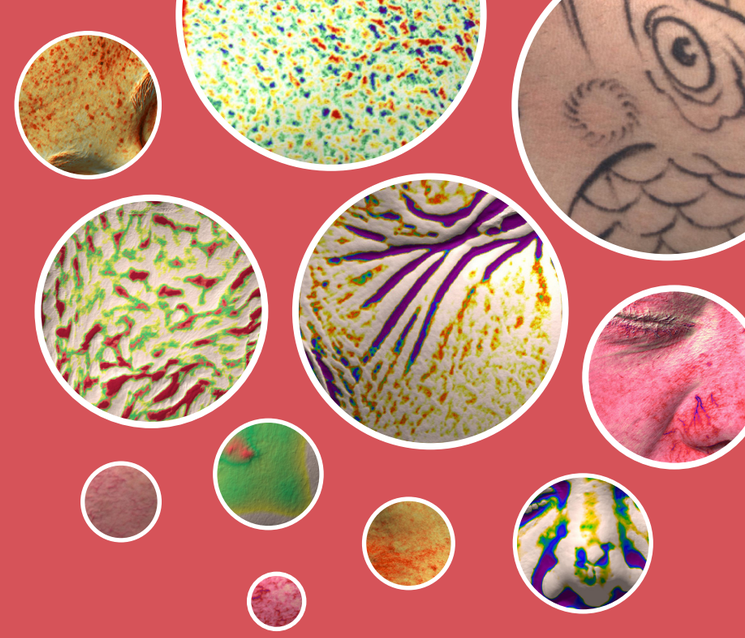

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Antera 3D® CS

Skin analysis as it should be

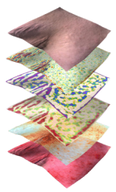
The Antera 3D® CS is a versatile, accurate research-grade instrument ideal for cosmetic manufacturers, contract research organisations and laboratories carrying out claim support and efficacy studies.

Skin profilometer
Measure a wealth of parameters related to skin roughness, pores, wrinkles and volumes.

Multi-spectral analyser
Measure the average concentration and uniformity of melanin and haemoglobin, and their hyper- and hypo-concentration.

Colorimeter
The Antera 3D® CS works as a colorimeter, providing L*a*b* colour values for any point within the camera field of view.

Accuracy and repeatability

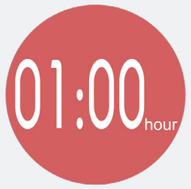


The Antera 3D offers high standards of measurement accuracy and repeatability, as well as a high specificity in resolving melanin from haemoglobin.

Fast acquisition

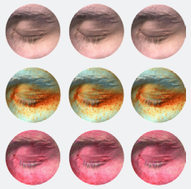
No set up time required plus a fast acquisition time means high image acquisition throughput.

No lengthy training



Because the camera is so easy to use and the software so intuitive, training can be kept to a minimum.

Fast and easy data analysis



Analysis of results is simple, quick and easy to interpret thanks to graphics-oriented Reports. Export of raw data and measured parameters enables interaction with other software packages (e.g. Microsoft Excel).

Selected publications

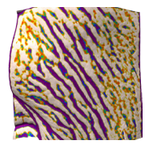
R. Matias, M. Ferreira, P. Costa, "Skin colour, skin redness and melanin biometric measurements: comparison study between Antera® 3D, Mexameter® and Colorimeter®.", accepted for publication in Skin Research and Technology, Manuscript ID SRT-0098-14.

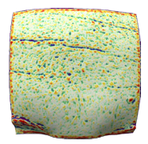
M. Puviani and M. Milani, "A prospective, pilot, open-label study on the effects of a topical photorepair and photoprotection film-forming medical device in patients with actinic keratoses evaluated by means of ANTERA 3D", accepted for publication in the Journal of Clinical & Experimental Dermatology Research

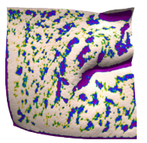
C. Cantisani, G. Paolino, P. Corsetti, U. Bottoni , D. Didona, S. Calvieri, "Evaluation of Ingenol mebutate efficacy for the treatment of actinic keratosis with Antera 3D camera", European Review for Medical and Pharmacological Sciences, Ahead of print ID: ERMPS-8214.

E. Kohl, J. Meierhöfer, M. Koller, F. Zeman, A. Klein, U. Hohenleutner, M. Landthaler and S. Hohenleutner, "Fractional carbon dioxide laser resurfacing of rhytides and photoageing: a prospective study using profile metricanalysis", British Journal of Dermatology, 170(4), 858–865, 2014.

Topography Measurements

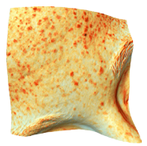


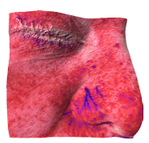




- Wrinkles' (depth, width, indentation index, maximum depth)
- Texture (Ra, Rt, Rq)
- Pores (volume, index, count, density, mean pore volume and area)
- Volume of depressions (maximum valley depth, Rv)
- Volume of elevations (maximum peak height, Rp)

Chromophores' Measurements



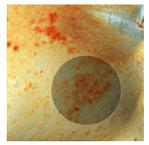


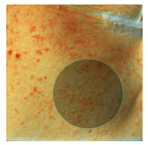
- Pigmentation (average concentration and uniformity)
- Pigmentation (hyper-concentration, hypo-concentration, affected area)
- Redness (average concentration and uniformity)
- Redness (hyper-concentration, hypo-concentration, affected area)

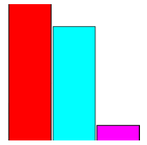
Colour Measurements

- L*a*b* values
- L*a*b* variation – ΔL*, Δa*, Δb*
- Overall colour variation Δ(L*a*b*)

Before & After Comparison

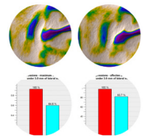






- Spot-On (automatic selection matching)
- Manual matching and manual adjustment of selected area
- Analyseany numbers of images simultaneously

Report



- Create, save and print report
- Export report in HTML and PDF
- E-mail report

Data Export

- Export view in JPEG
- Export measured parameters
- Export raw data (z-elevation, L*a*b* values, melanin, hemoglobin)

Other Features

- Remote camera control
- Option to attach camera to a tripod

Minimum system requirements:
Windows 7, 32 or 64 bit, 1Ghz Core 2 Dual processor, 2Gb RAM, USB2 interface, 1 GB AMD (ATI), NVIDIA or HD Graphics.
MAC - COMING IN 2015 OSX 10.7+. Intel-based Mac computer (any Mac more recent than 2006)