BTBP Research
CLARITY™

BTBP's Research System is a skin analysis device that provides state of the art technology in the field of two dimensional measurement.

This system gives users the ability to create studies and recipes, batch process data, configure measurements by region of interest and aids claim's substantiation.

Application Features

Multi-spectral imaging to view & measure surface and sub-surface features

Automatic detection of over 50 facial regions for use in analysis

Automatic alignment of all images

Archiving & Retrieving

Study Management Modules

Batch Processing

Movie timeline of skin progression*

Progression trends*

Image export

Data Export into Excel

Pattern Recognition

Pigmentation
Size range & intensity by Skin Type

Vasculature
Contrast & intensity Separation of similar signature

Wrinkles
Fine Line & Wrinkle severity & Length ranges

Texture
Textural deviation to pores to deep line

Power Specifications : 100 - 240 VAC 120 @ 5 amps

Comprehensive and in-depth measurement features include

Skin Type

Skin Type classification from I-VI (Fitzpatrick)

High Resolution BTBP skin type classification 1-50

RGB Average

L* a* b*

Radiance

Luminance Delta

L* from LAB color space

Redness

Degree of Intensity & Surface Area

Pigmentation

Spot Count

Percentage of Surface Area

Size Classification & Size Distribution

Intensity & Contrast

Melasma Scoring via : Darkness, Homogeneity, Average Brightness

Subsurface Pigmentation

Spot Count

Percentage of Surface Area & Total Surface Area

Size Classification & Size Distribution

Intensity & Contrast

Pigment Darkness

Wrinkles

Total Count w/ Emerging, Fine and Deep Line Classification

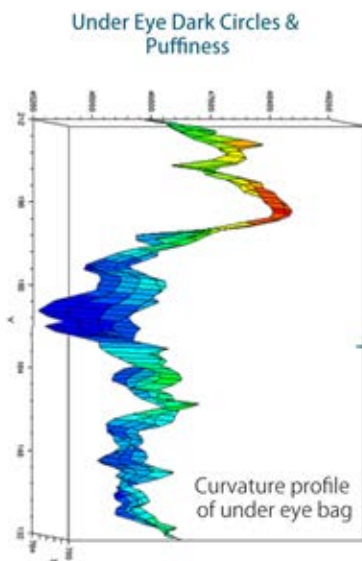Average Length, Width & Severity

Total Surface Area

Enlarged Pores

Pore Count

Percentage of Surface Area

Average Size, Diameter, Visibility, Circularity & Intensity

Size Classification with Count & Distribution in 3 Categories

Texture

Average Roughness

Average RGB values

Acne

Active Acne Count & Visibility Scores

Post Inflammatory Hyperpigmentation & Visibility Scores

Eye Area*

Under Eye & Crow's Feet Wrinkle Surface Area*

Under Eye Darkness (L*a*b)*

Individual Typology Angle (ITA)

Eyelid Crepiness (Roughness-Average R, G, B)

Lash Volume

Lash density

Maximum Length

Average Length

Lift Up Angle

Curl Up Angle

Lips

Surface Area & Redness Levels

Border Contrast, Smoothness & Curvature

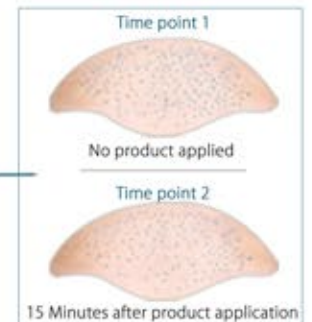Lip Wrinkle Counts Classified by Severity

The BTBP Difference

- We are the only company that can extract measurements from digital photographs of the face through artificial intelligence.

- **We replace clinical services** with our patented AI analysis engine saving your time and money.

- We don't just highlight features on the face, we measure them automatically without the need of a visual grader.

Analyze by Regions

Under Eye Dark Circles & Puffiness

Curvature profile of under eye bag

Data Tracking by Region of Interest

Time point 1

No product applied

Time point 2

15 Minutes after product application

Results Following Application Of Pore Constrictor Serum

NUMBER OF PORES

AVERAGE SIZE

%AGE OF SURFACE AREA