What does it do?

Easy and quick method to analyse dandruff in number and size.

The Principle

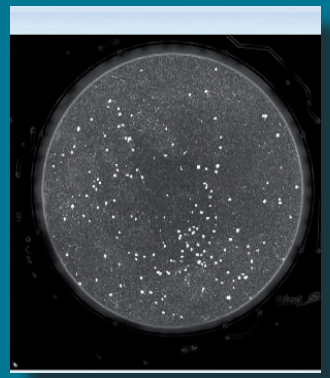
The system consists of a device in which the collected dandruff is inserted. A circularly arranged LED light source illuminates the sample homogenously on a dark background. The high resolution camera above the sample takes the image and the software detects all dandruff and categorizes it in 9 different size classes.

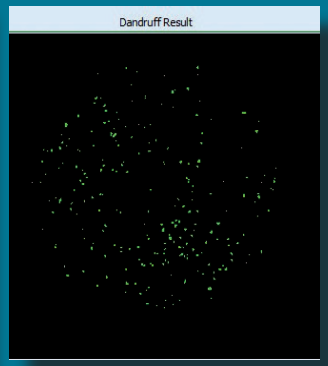
Fields of Application

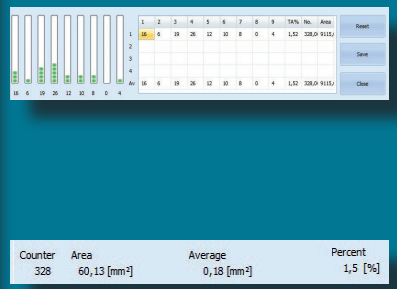
Hair care is a large field in the cosmetic industry. Analysing dandruff is one of the most important concerns in research of hair care products and their efficacy testing.

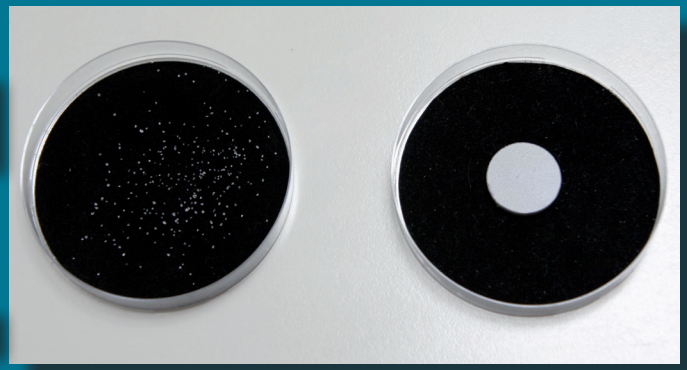
Advantages

- Quick and easy handling of the device.
- Simple connection to the computer by USB
- Dandruff is evaluated by number & size (in pixel and mm²) for 9 different size categories which can be determined by the user.
- The average of up to 4 images is automatically calculated.
- Software conveniently allows evaluation of complete studies.
- Easy calibration of the system.









Technical Data

Dimensions: 13.5 x 13 x 15.3 cm (H x W x D), bevel: 10° on the front, 60° on the back, Opening: 9.2 x 3.1 cm (W x H), Weight: 1.35 kg, Port: USB 2.0, Power supply: Input: 110-240 V, 50-60 Hz, Output: DC 12V/max. 4A, Light source: white LED light, arranged circularly, USB-Camera: 1/2" CMOS, Resolution: 1280 x 1024 Pixel = 1.3 MPixel, max. 25 images/second, Objective: M12; 6 mm focal length, distance camera to sample: approx. 9 cm, Petri dish: Ø 8.5 cm, visible field Ø 7.5 cm.

Technical changes may be made without prior notice.

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