What Does It Measure?

Easy and quick method to analyse **dandruff in number and size**.
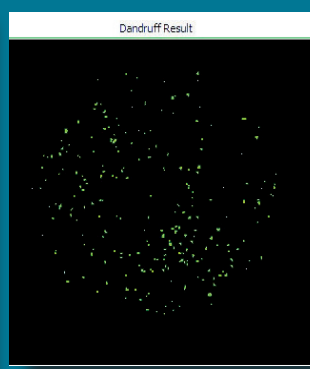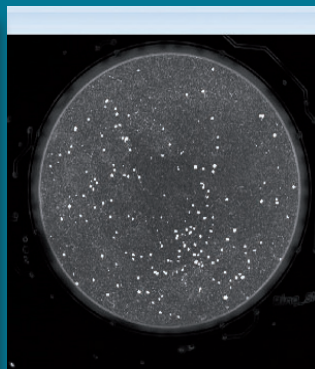
The Principle

The system consists of a device in which a **petri dish** with the collected dandruff is inserted. A circularly arranged **LED light source** illuminates the sample homogeneously 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.