



With dhs Image Analysis modul **layers of a sample are evaluated** time-saving and **automatically**. The 2D measurement is carried out **at the cross-section of the pictures taken before**. Frequent applications for coating thickness are e.g. painting finishes, galvanic surfaces or plastic films.

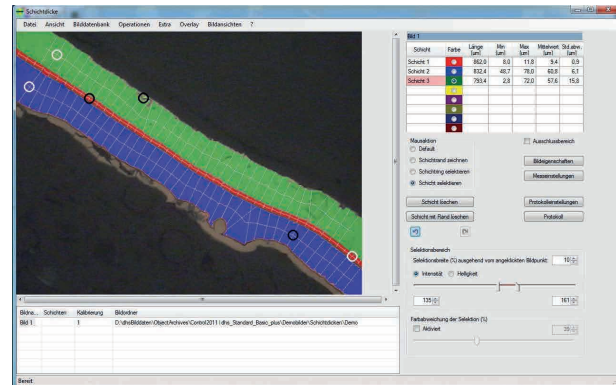
### Detection

Threshold values are used to detect individual layers, **with the brightness value** of each pixel serving as the basis – a manual **readjustment** can be made if necessary. For exceptionally difficult contrast ratios in the image, there is the **option of manually outlining** with the mouse.

It is possible to automatically **evaluate up to 8 different layers** during 2D measurement. Simply name the individual layers as you choose, then detect all layers by clicking on them with the mouse.

### Features

The **measurement from round layers is possible**. In addition, you can set up a **series of images** for the inspection and **analyse** them at the **push of a button**. The series can then be stored and reloaded at a later point in time. Various pre-processing steps (filters and morphological operations) let you improve the image quality even further.



## Information in the overview

- Extremely fast 2D measurement of up to 8 layers in micrographic cross-sections
- Automatic edge detection (supplemented by interactive manual mode)
- Layer names and false colours can be freely selected by the user
- Measurement from round layers
- Set up a series of images
- Analysis parameters are freely selected
- Automatic creation of a histogram and reports in MS Excel™
- All software settings can be saved in profiles and re-accessed

## Showing result

The automatically determined results are displayed in a table:

- **Smallest measurement**
- **Largest measurement**
- **Mean value**
- **Standard deviation**

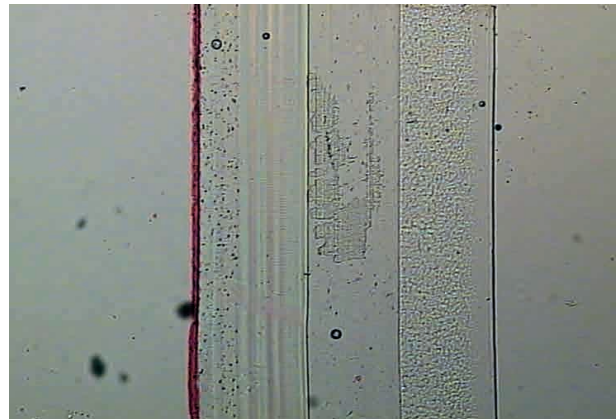
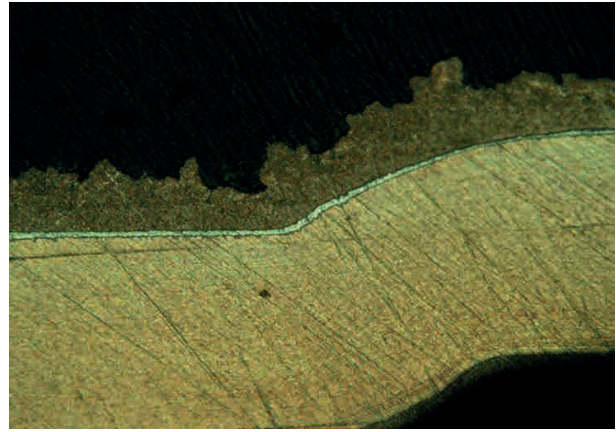
## Showing result

The analysis parameters can be **freely selected**, such as:

- **Number of measurement lines in an image**
- **Spacing of the measurement lines**
- **Measurements not vertically but in a free angle**
- **Measurement series** of a sample

By being saved in profiles, all the settings and options can be reproduced at any time.

All pictures, histograms, scals and data are stored in dhs Image Data Base or reprocessed for a report at the end of workflow.



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