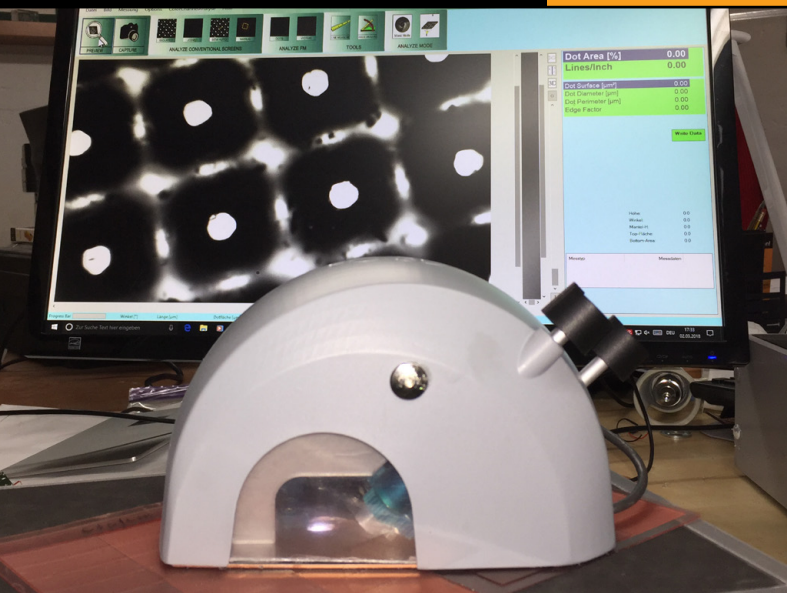


Sibress

FlexoControl3D⁺



Mobile Version incl. light table

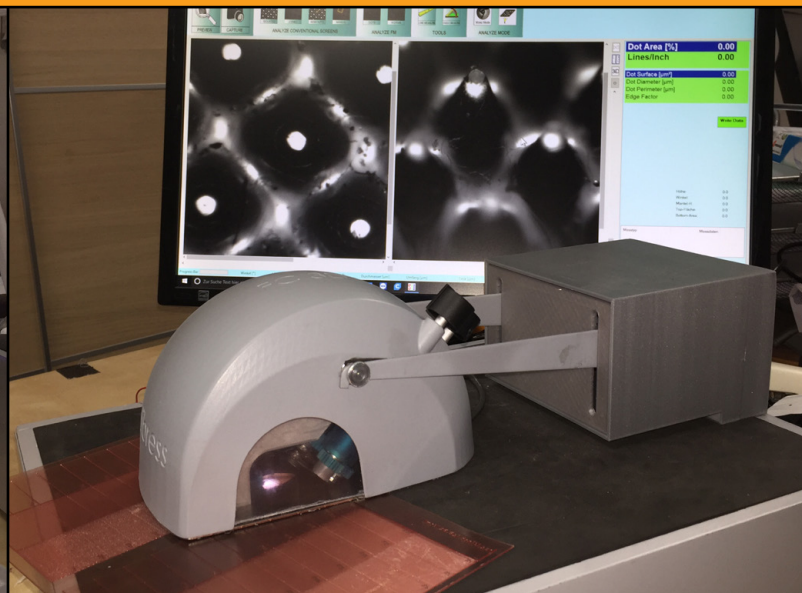


Table top version incl. light table



FlexoControl3D⁺

3D image quality control

- > due to top perfect resolution and sharpness
- > Individual control of light and sharpness
- > Scan of the complete 3D image area

 A screenshot of the FlexoControl3D+ software interface. The top bar contains icons for PREVIEW, CAPTURE, ANALYZE CONVENTIONAL SCREENS, ANALYZE FM, ANALYZE MODE, and TOOLS. The main area is split into two panels: the left panel shows a 3D image of a surface with several circular features, and the right panel shows a 3D image of a surface with several conical features. On the far right, a data panel displays various measurements:

Dot Area [%]	0.19
Lines/Cm	32,74
Dot Surface [µm²]	180.70
Dot Diameter [µm]	15,17
Dot Perimeter [µm]	48,99
Edge Factor	106

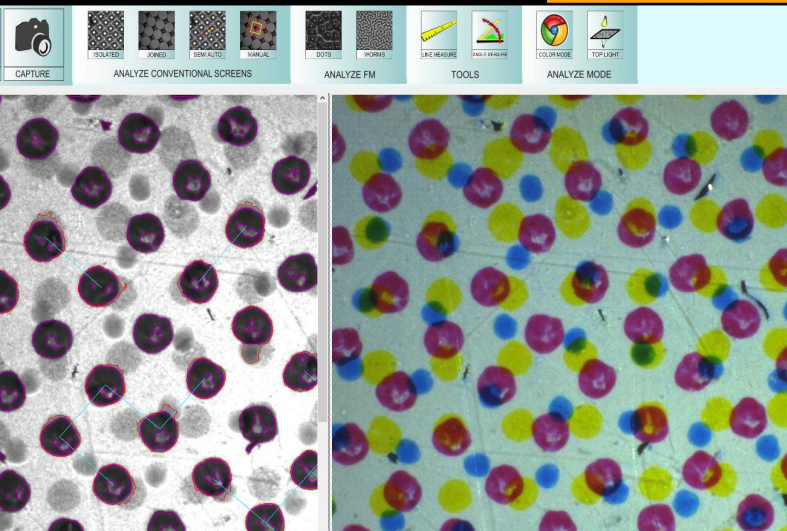
 Below the data panel, there are several icons for different measurement types (Single, Add, Reset, Speicher) and a table for storing measurement data:

Messartyp	Messdaten
Linie [µm]	16,01
Linie [µm]	307,88
3D-Höhe [µm]	221,40
3D-Mantel [µm]	265,17
3D-Winkel [°]	33,39

3D

visualisation and measurement functions of:

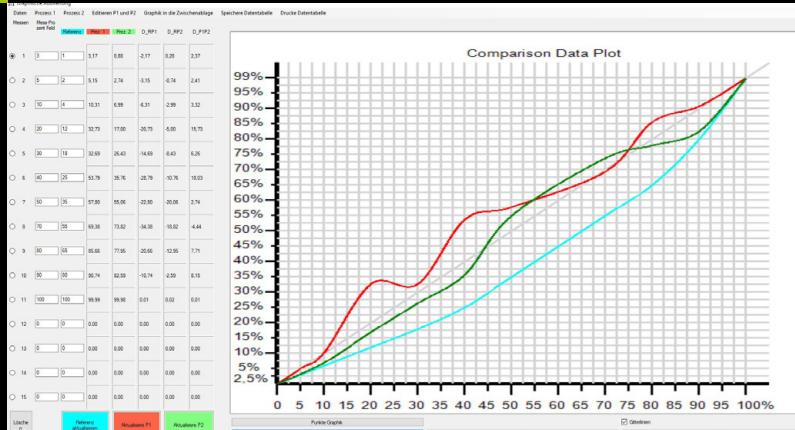
- > Relief depth, length and angle of the shoulder, floor area of the dot
- > Multi measurement of the dot with constant result adjustment
- > All results can be stored and named with individual comments
- > All images can be saved, including graphics, also single dot measurement is possible



- > C-M-Y-K color separation
- > C-M-Y-K color comparison incl. graphics
- > Measurement results and pictures can be stored as a PDF

Data storage of

- > Measurement results incl. images
- > Saving of measurement row
- > Saving of result comparison



i.e. graphic comparison of mask and plate

Technical details

Functions	Measurement	Plate Type
Dot area %	Flexo Plates	AM, FM, HD
Dot size (dot diameter)/µm/mil	Masked Material, film	Measurement Technology
Screen ruling (lines/cm or lines/inch), Line Width, Angle	Side view	Sensor: 1,3MB
Color, with C-M-Y-K separation	Conventional flexoplates	Area to be analysed ~2mm² for top camera
Statistics, Graphics, Data Comparison	Rubber plates, except black	Screen Ruling: 30-85L/cm; 76-216 Lpi
Simultaneous view from top and side	metal back plates, partial	Repeatability: +/- 0,5%
Optical system	Calibration	Optional
Full scan of the entire 3D image,	2D and 3D in X-Y-Z	ISO Calibration target/ USB Lightbox
PMAG >4x, resolution > 288L/mm		Stationary Lightbox where the instrument is guided
Individual image contrast and brightness control		

Delivered components: FC3D+ head with Software and Dongle (64 Bit), special backlight illumination, Transportation box

System Requirements: Windows 7/10 64Bit, processor min. 1GHz, 1GB RAM, 2 x USB 2 ports, CD Drive, min. screen resolution 1024 x 768

All technical data can be changed without announcement.