

CDMAM 3.4 Analyser upgrade

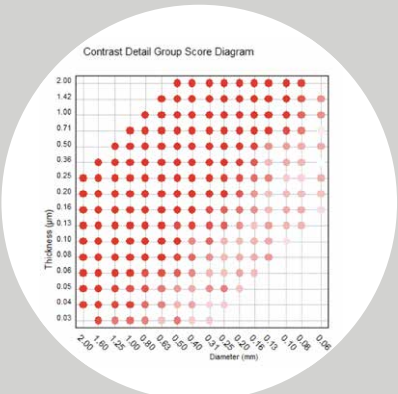


Major
improvements
in version
2.2

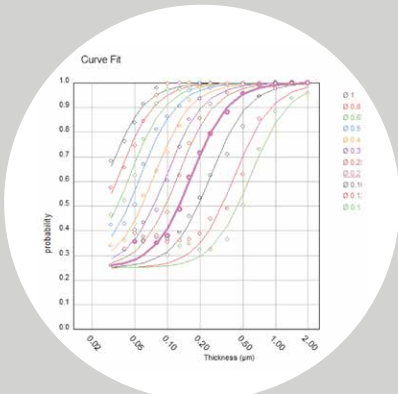
Analysis

The CDMAM 3.4 image analyser software version 2.2 is using the newest methodology for analysis of the CDMAM 3.4 images according to the supplement to the European Guidelines for Quality Assurance in Breast Cancer Screening and Diagnosis. This method is used in order to:

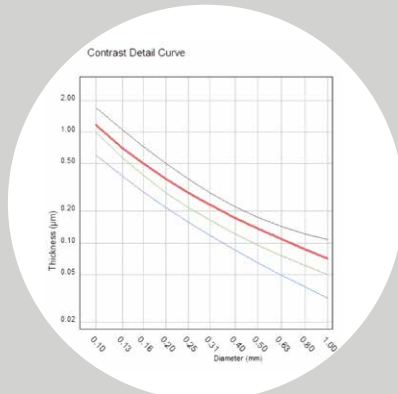
- Accumulate the results of the automatic readout software CDCOM (1),
- Determine the psychometric curves,
- Detect the threshold thickness of the different diameters (2),
- Correct to human readout values,
- Calculate the contrast detail (CD) (3).



1



2



3

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New in upgrade version 2.2: Correct to human readout values

Upgrade : According to EU Guidelines for Quality Assurance in Breast Cancer Screening and Diagnosis

Diameter (mm)	0.10	0.13	0.16	0.20	0.25	0.31	0.40	0.50	0.63	0.80	1.00
Automatic Treshold Gold Thickness (um)	0.590	0.421	0.251	0.168	0.125	0.098	0.076	0.056	0.044	0.035	0.027
Predicted Human Gold Thickness (um)	0.898	0.665	0.419	0.292	0.224	0.180	0.143	0.110	0.089	0.072	0.058
Fit to predicted Human Gold Thickness (um)	0.949	0.590	0.424	0.309	0.232	0.181	0.138	0.110	0.089	0.071	0.059

Ease of use

- Multiple groups with images to compare over period changes several settings and different devices,
- Batch analysis of many images,
- Shows in between results (score diagram, psychometric curves, individual CD curves),
- Compatible to Windows 7 and 8,
- Drag and drop images to the software,
- Images can be viewed and inspected by zooming in,
- IQFInverse scores and Total detected (%) number of gold discs are shown,
- Attenuation coefficient of gold dependent on the beam quality are automatically detected and can be set by hand.

Specifications & requirements

- Image format: DICOM
- Free usb port needed
- Runs on Windows 7 and 8
- In combination with the CDMAM 3.4 Phantom

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