

SpectroPlate is using the video analyzing measurement.

This method will not measure 0% or 100 % as known from a dot area measurement done by a Densitometer. Some reflection of the printing plate structure will be measured and give you the mentioned results.

Please see the attachment for explanation.



Why is 0% and 100% not measured with video analyzing instruments?



Preview 0%

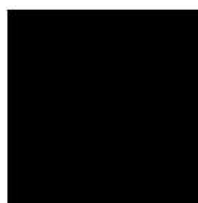


Ideal result 0%

The instrument is trying to detect differences in the image and therefore is increasing the video contrast automatically.



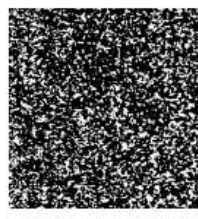
Preview 100%



Ideal result 100%

Normally no visible differences are available on 0% and 100% as these areas usually are homogenous.

Due to the high resolution of the video chip, the instrument is able to recognize reflections in the surface structure which then are shown in the result.



One of possible results
for 0% and 100%

The use of video analysis is limited for homogenous patches but measurements are also not necessary as these points are fixed in the curve and cannot be adjusted.