

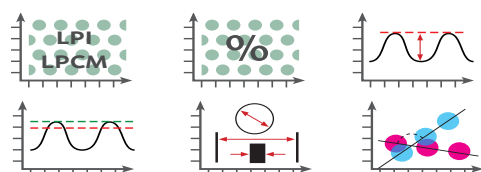
AniCAM HD & Flexoplate QC

with PIXELOC™

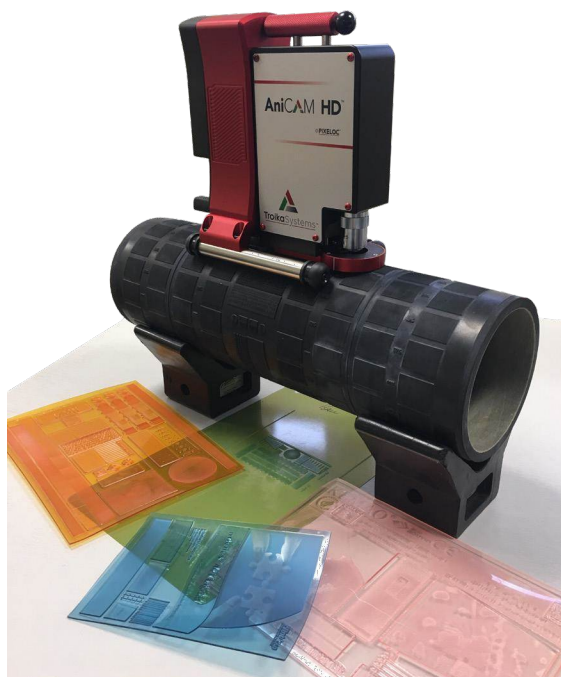


Industry Leading Accurate Flexoplate & Sleeve Measurement

The new AniCAM HD allows users to achieve faster, more accurate results, whilst maintaining simple user interaction.



Automated measurement of dot percentage, screen, angles height and microcell topology



Due to the latest technology employed in the AniCAM HD the ability to simply measure flexoplate and sleeve condition, dot shape, height and relief is easy and practical for every printer and plate maker. Just 30 seconds to get an automatic 3D scan, all geometric measurements and rotatable 3D view for visual inspection at the click of a button. Flexoplate QC was developed for Flexoplate makers and printers where management and quality control of the plates is essential. In particular for inhouse recording of plate condition during use and to enable timely replacement when necessary.

True 3D: Viewed from the top most dots look fine, a three-dimensional view and analysis of the surface and dots is extremely informative and helpful. It exposes problems which could never be identified by a two-dimensional reading. In contrast to two dimensional readings an electronic profile cut across dots will show much more. Shoulder angles as well as relief and intermediate depths can exactly be determined. In this manner smallest highlight dots and even the depth and dimensions of top surface microcells can be measured.

AniCAM HD Features and benefits

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|---|--|
| High resolution image sensor (1024x768) | Greater image detail for enhanced analysis |
| On board image processing | Provides faster, cleaner imagery to enhance the analysis accuracy |
| Enhanced optical path | Improving imaging accuracy and interoperability |
| New LED lighting system | New lighting improves measurement of dot structures |
| PIXELOC™ Closed loop drive control system | Allows the AniCAM HD to operate in challenging environments for greater accuracy |
| Intelligent user feedback display | Colour led system lets users know the status of the AniCAM HD |
| Improved ergonomic design | Lightweight, easier to hold and place on plates or sleeves |

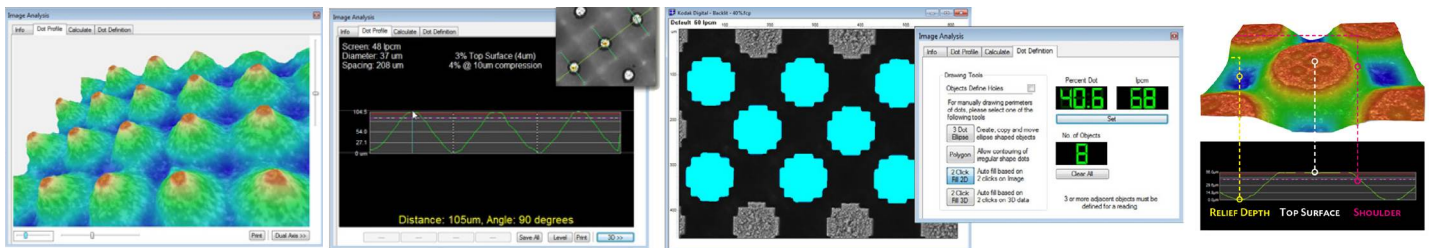
*If you can't **measure** it, you can't **control** it.*

Quality Control is Essential: The time and cost of defective plates will increase waste, reduce productivity and profitability. Printers often charge trade houses for lost productivity if the fault is proven to be theirs – trade houses need to check and maintain their quality to ensure they meet their customers' needs. Cost savings made over time through quality control on dot shape, relief, depth and dot sizes can be significantly high and will result in a fast return on investment.

Digital Flat top Plates: a special illumination option allows for the correct analysis of digital dot plates, the software allows the user to complete the measurement of the plates within a couple of clicks of the mouse and determine the microcell structure with enhanced 3D visualisation of the dot topology.

Translucent and Reflective Plates: Two-dimensional dot percentage and screen count readings are analysed in a few seconds by taking a simple 2D snap. The software identifies the dots and immediately displays the results. Additional distance width and angle readings can be performed by a simple mouse click and drag function directly in the displayed image.

Elastomer and Letterpress: 2 Dot Analysis utilising 3D Data: When measuring opaque plates (e.g. letter press or elastomer plates) in most cases the top area of (especially highlight) dots are insufficiently visible, so mapping of the dot topology with 3D data allows for the correct analysis of the structures.



Key Benefits

An easy-to-use tool that will verify your plates and/or sleeves are accurately produced ensuring your jobs are faultless on being mounted.

Depending on the plate type the operator can choose between Transmissive Readings for translucent plates and reflective readings for metal backed letter press plates or elastomer plates and sleeves.

The application utilises Troikas AniCAM 3D Scanning Microscope as the Capturing device. It is easily positioned on the material and does not physically touch the measuring area; therefore, the measured dots are not compressed ensuring correct dot percentage readings for accurate dot profiling to be achieved.

The 3D Dot Profile Analysis allows you to analyse and visually inspect the dots in their 3D representation and by applying definable electronics cuts. To visually check on exposure or process problems the 3D view can be rotated and scaled in any direction. The profile graph informs about the dot percentage at the top of the media and at a definable simulated compression. Even 1% dots can be measured exactly. The certainty that your highlight dots, dot heights and shapes are correct, helps reducing press setup time and waste. Timely checking of archived plates for brittleness and damages before mounting them on press can save a significant amount of time and waste.



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Contact

If the printer is fully aware of the condition of their Plate inventory they will be able to improve the press set up time, reduce ink matching and improve production and profitability.

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