



Phil Hall

Managing Director
Troika Systems Limited

www.troika-systems.com

Printing on Metal



The objective of all print is to get the best visual display using the minimum amount of material in the best time.

This is best Achieved through Quality Control

Metal Printing



Optimum visual representation is achieved through consistent quality of print, which relies on various functions including:

- 1. Film / mask, quality and calibration.*
- 2. Plate quality, calibration process methods.*
- 3. Material to be printed and quality and accuracy of printing.*
- 4. Press, press controls, press management and most importantly the Anilox roll*

Where FlexoCAM and AniCAM come in:



Being able to see and compare each of these processes,
in a simple and 'none complex manner' has been
exceptionally difficult:

until now

LETS LOOK AT SOME DATA, going from print back through plate and
film/mask, and finally anilox roll analysis

The Process



Printed media

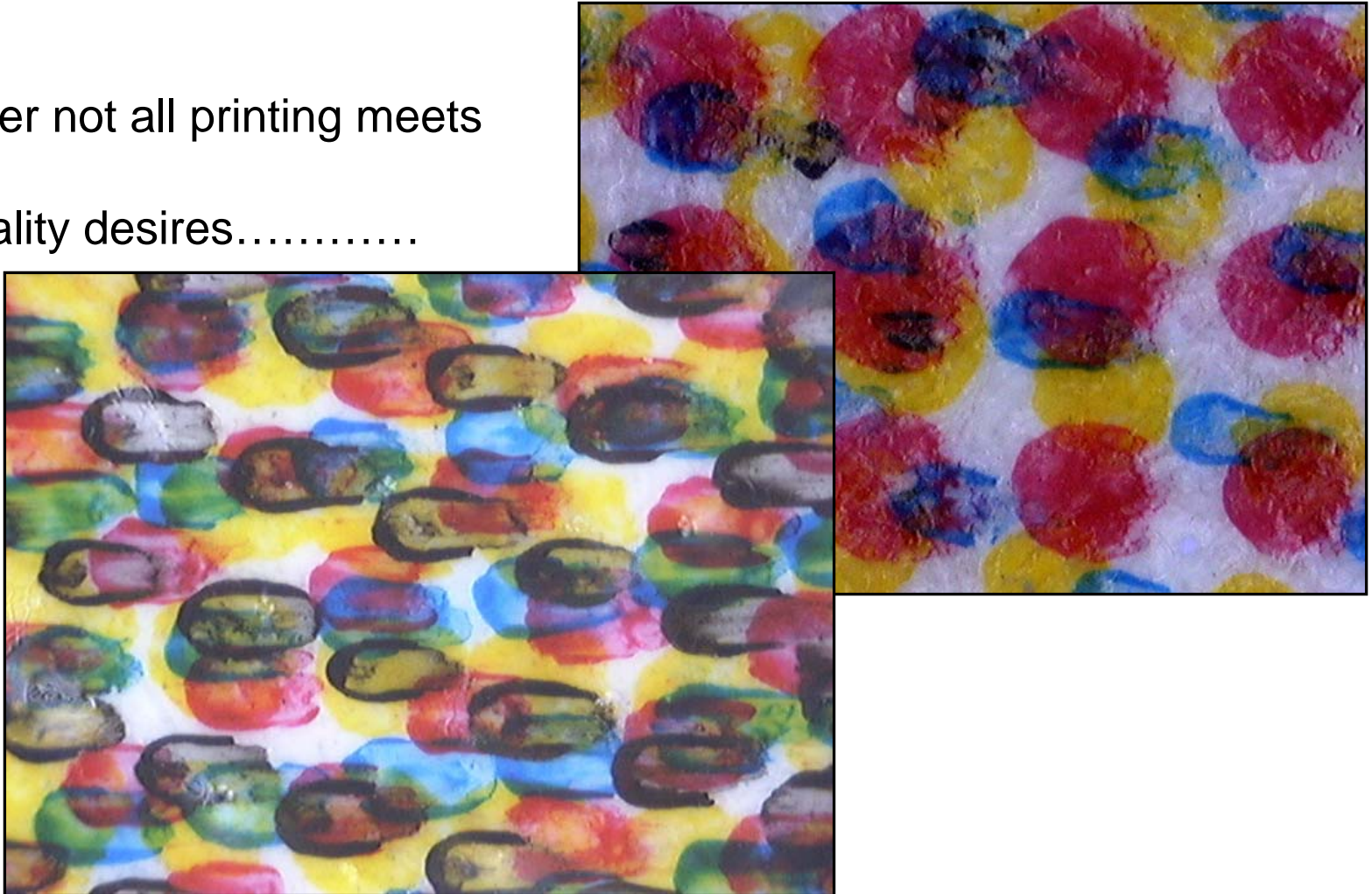
Viewing the dots for formation is undoubtedly the most important function; then Dot Calibration, Angles, screen ruling etc...



Printed media



However not all printing meets
our quality desires.....



Printed media metal blue on white:



Viewing the dots for formation
is undoubtedly a very important
function;

Highlight:

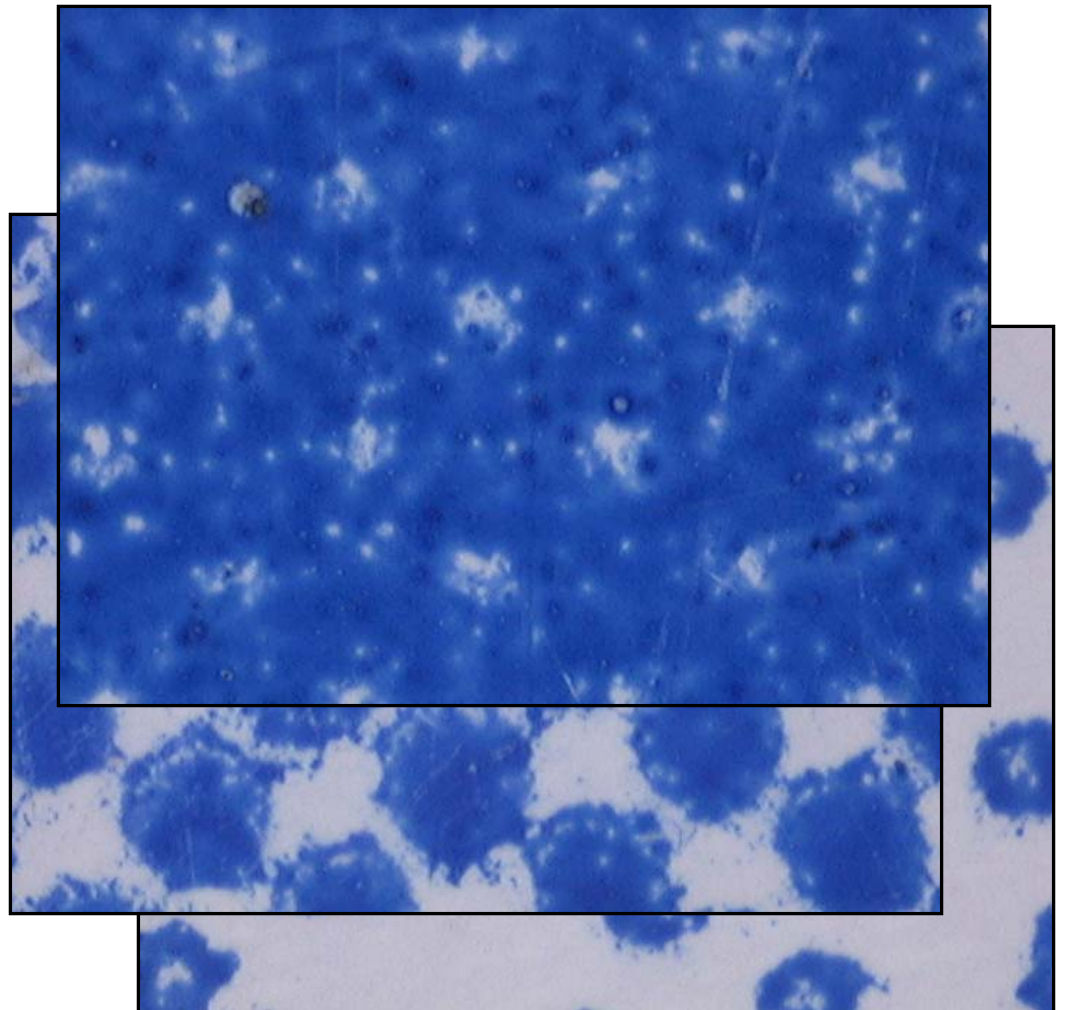
random dot spacing

Middle-tone:

scattered edges.....

Shadow:

varying ink weights...

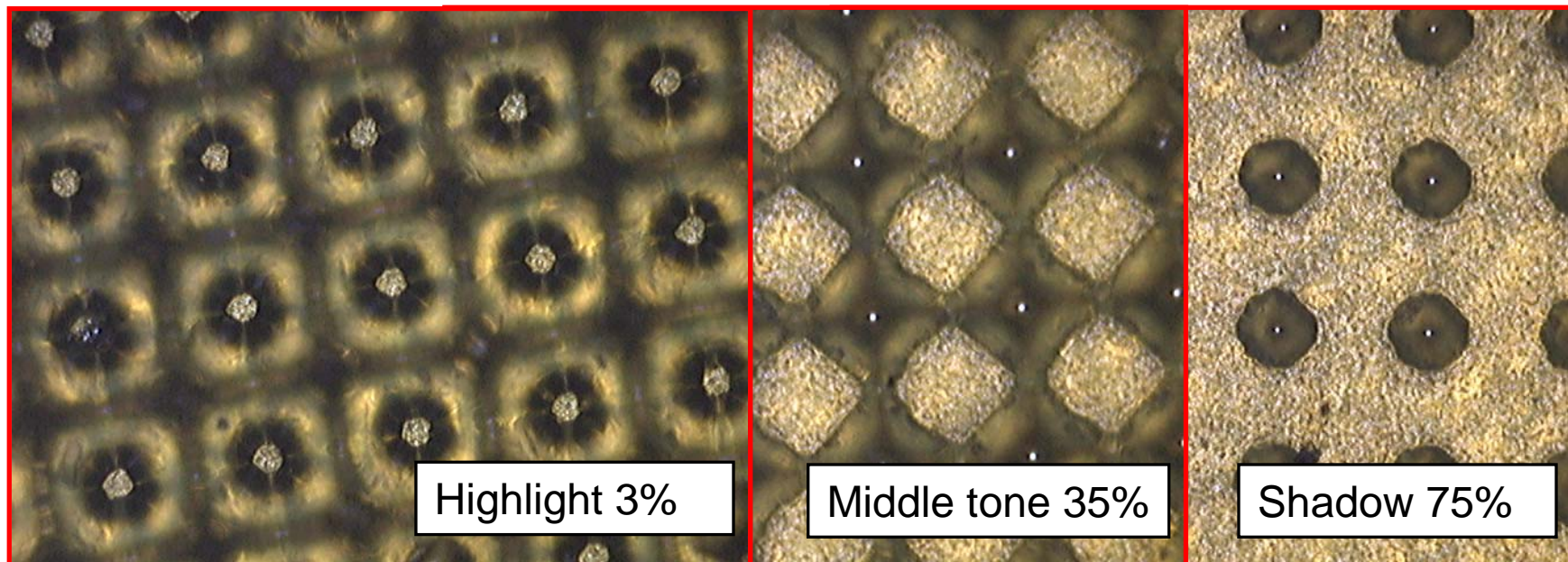


Plates



There is a need to check for dot calibration, the dot formation and wear;

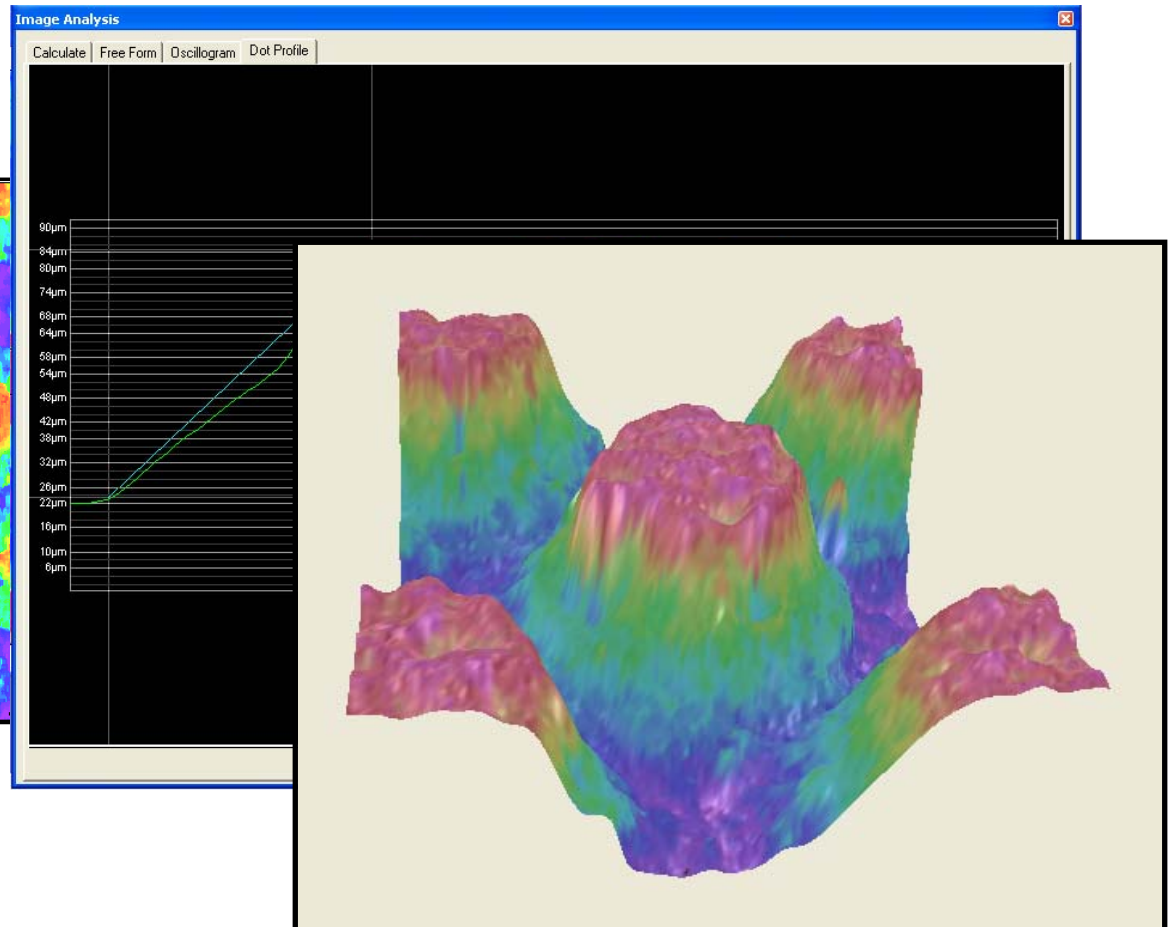
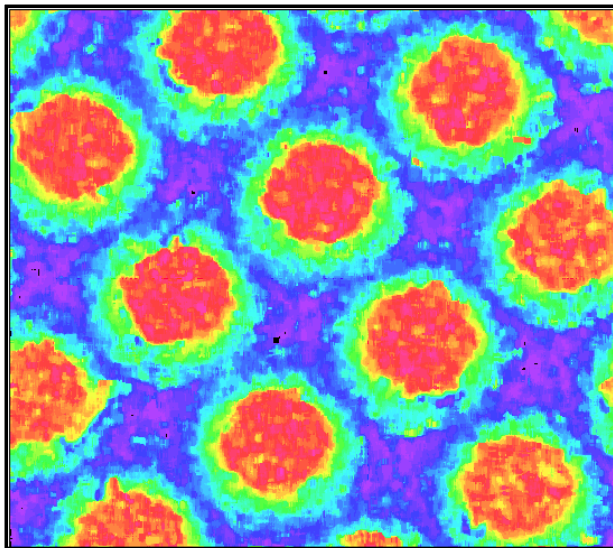
Also screen rulings & angles, relief depth, and line width or depth measurement.



A natural progression



To check for dot formation and wear;

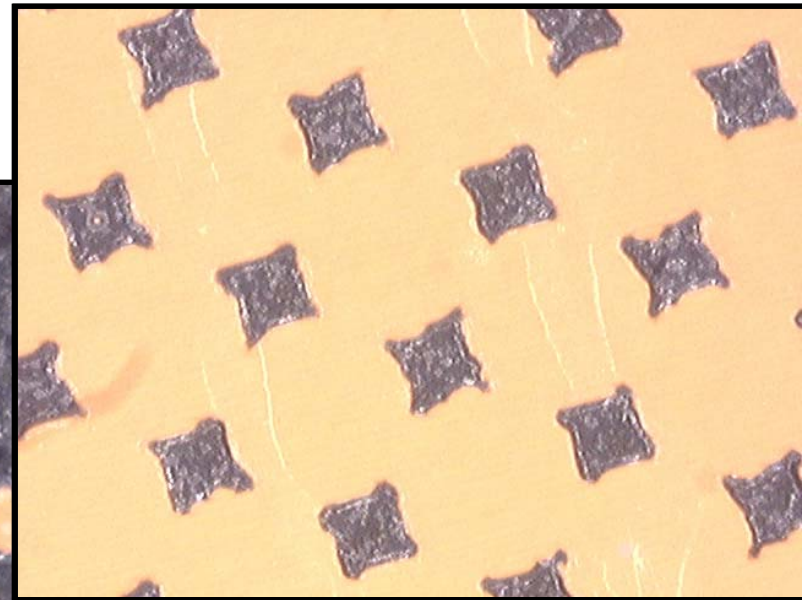
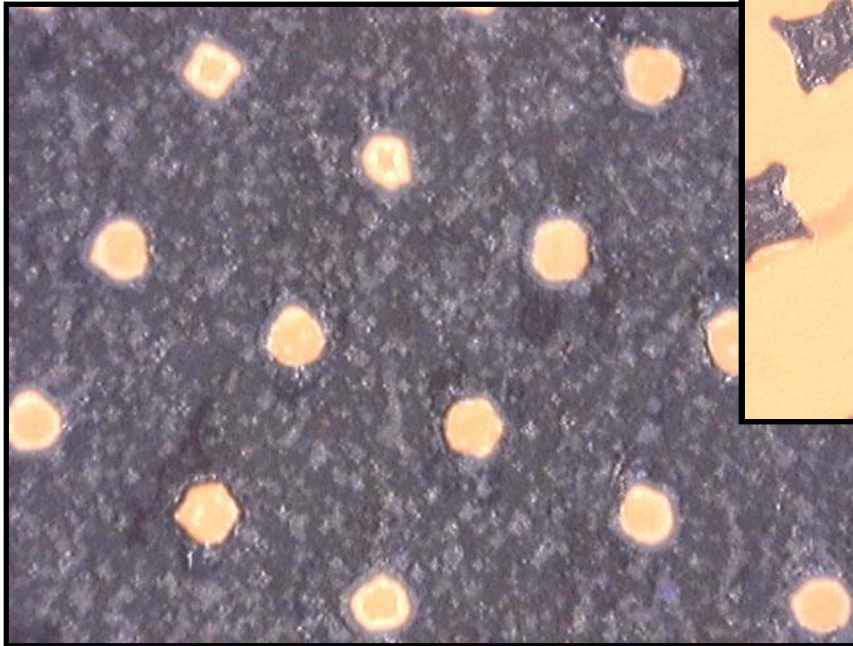


Film & Mask



Dot Calibration, quality of dot and background.

Negative reading:
-7% FAC D11



Negative reading:
-83% FAC D11

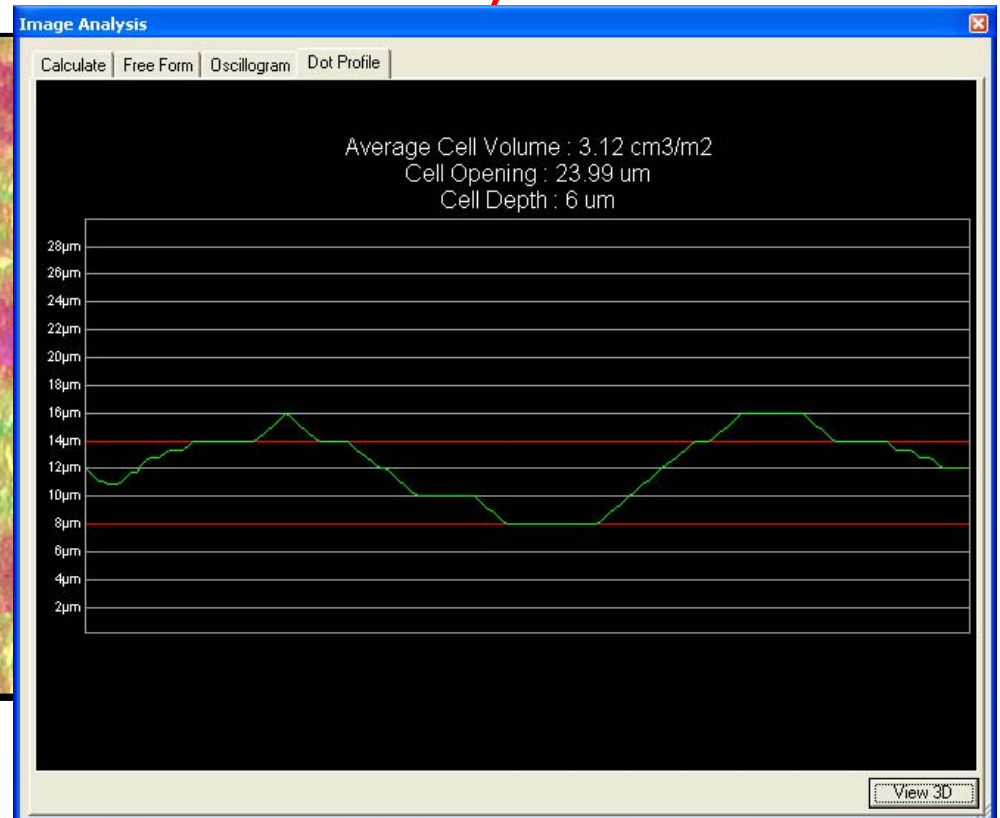
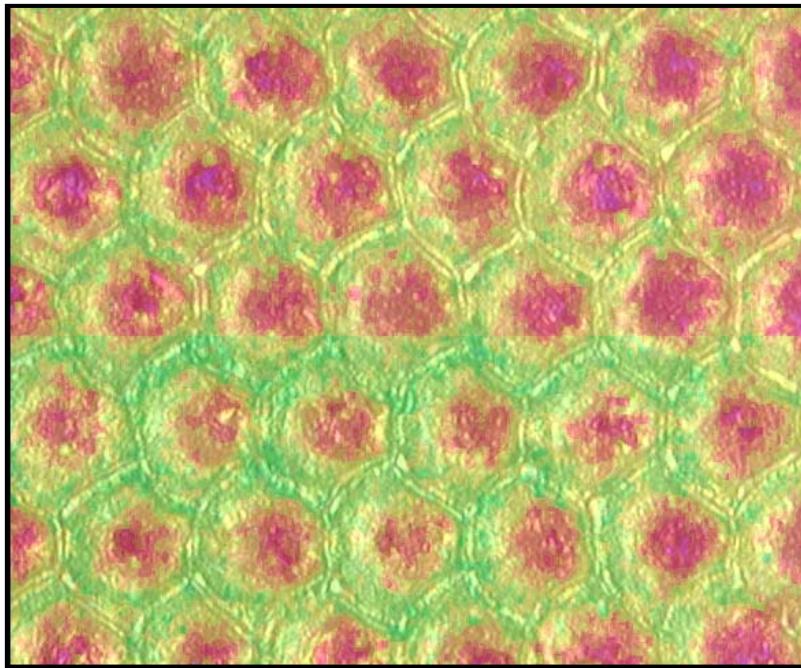
Anilox analysis



For cell depth & volume measurement.


Cell opening and wall thickness.

Anilox quality and wear analysis

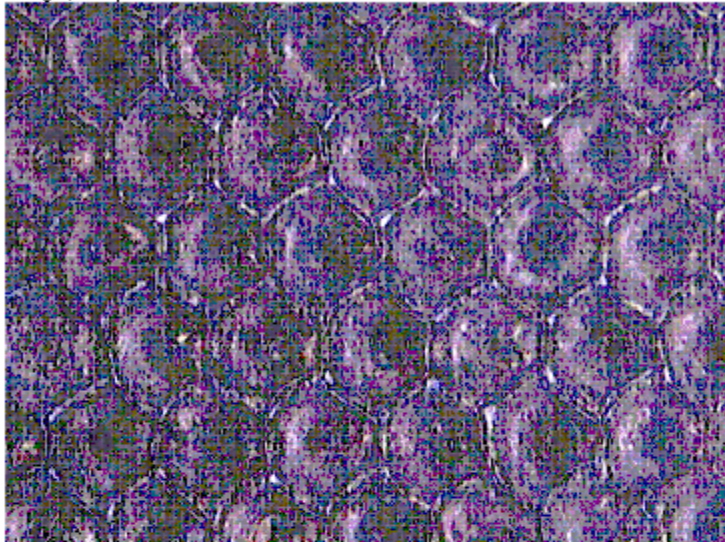


Essential uses 1:

**Archiving results for
comparative
purposes either
electronic format or
in paper format.**

AniCAM Analysis 

Deep Field Image , 801 lpi



Cells Analyzed: _____ Date: _____
Cell Volume: _____ Roll No: _____
Cell Depth: _____ By: _____
Cell Opening: _____
Cell Wall: _____
Screen Angle: _____
Screen Count: _____

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Essential uses 2:



For immediate discussion, email the FlexoCAM / AniCAM document with all its analytical information for faster resolution of problems or issues.....

or maybe you just what to show of the quality of what you can now achieve to associates in your company.

To close:



- TROIKA has tried to achieve a balance between simple visual fault recognition (QA) and the recording of accurate analytical data for trend analysis with the FlexoCAM and AniCAM.
- Without doubt, timely quantitative & qualitative analysis will allow us ALL to improve our overall quality in production achieving the objective stated at the beginning.

The objective



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Thank you for listening.

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