

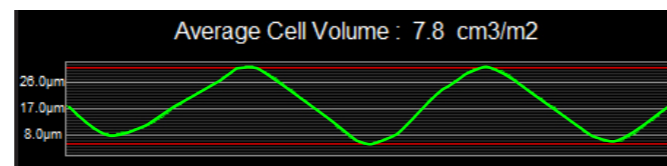
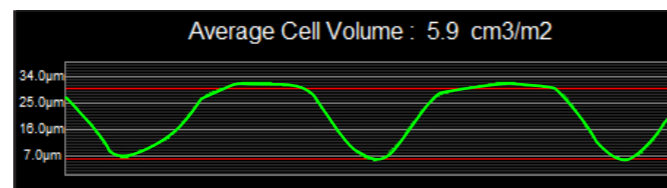
PRODUCT SPECIFICATIONS

FEATURES	AniCAM
▼ Material	
Ceramic Anilox cylinders	✓
Minimum roll/cylinder diameter: 2.5" / 63 mm	✓
▼ Cell Evaluation	
Analysis range:	✓
Std: x20 lens: 236 - 475 lpcm / 601 - 1200 lpi cell depth: 5 - 36 µm	
Std: x10 lens: 88 - 235 lpcm / 225 - 600 lpi cell depth: 10 - 72 µm	
Std: x4 lens: 40 - 87 lpcm / 100 - 224 lpi cell depth: 30 - 96 µm	
Anilox volume calculation in cm ³ /m ² or BCM	✓
Measurements:	
• Cell frequency count • Cell opening • Cell wall width • Cell depth • Cell angle	✓
Anilox angle measurement	✓
Geometric measurements	✓
Averaged readings over n sections across the roll	✓
Integrated Roll Management for easy tracking of roll histories (date and volume).	
▼ Image Analysis	
Images are taken by the camera and transferred via USB to the PC.	
The image analysis and calculations are done by a dedicated Troika PC software.	✓
Digital Zoom range 1:1 up to 6:1	✓
▼ Variances of Readings	
Volume readings: typically better than ± 2% @ 12cm ³ /m ² : 8BCM	✓
▼ Data archiving	
ACP file format, JPEG and BMP	✓
Direct application interface (Direct Interface to Spreadsheets, etc)	✓
▼ Light Source	
Co-axial and Radial white light LED	✓

TECHNICAL SPECIFICATIONS

FEATURES	AniCAM
▼ Electronics	
Mono CMOS camera with 640 x 480 pixel resolution.	✓
USB Control via PC	✓
External ac power supply	✓
▼ Dimensions	
AniCAM: 15,5 x 9,5 x 19 cm (W x D x H)	✓
AniCAM Case: 37 x 30 x 17.5 cm (W x D x H)	✓
▼ Weight	
AniCAM: 2.20 kg / 5.0 lbs	✓
AniCAM with Case: 5 kg / 11.0 lbs	✓
▼ Environmental conditions	
Temperature: 16° - 32° C / 60° - 90° F	✓
Humidity: 40% - 60%, non-condensing	✓
▼ Minimum PC-requirements	
Pentium IV, 1.6 GHz, 512 MB RAM, 1024 x 768, 24-bit Display, USB 2.0 1+ GB hard disk space	✓
▼ Operating Systems	
Windows XP / VISTA / Windows 7 (Minimum 2 GB RAM needed)	✓
▼ Warranty	
12 months return to base. Software upgrades FOC for 12 months.	✓

(Specifications subject to change without notice)

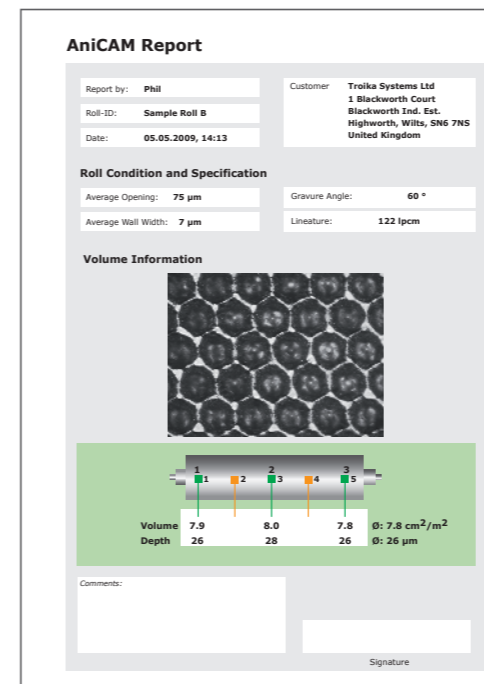
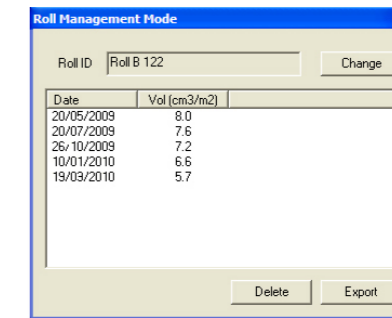
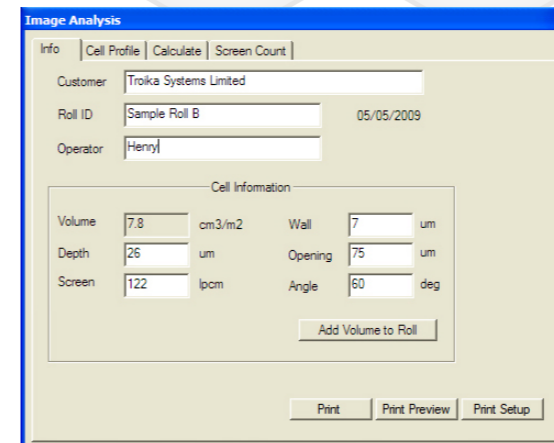


Sample of an anilox reading before cleaning (upper graph) and after cleaning (lower graph) – both show a depth of 26 micron. Interestingly: The ink builds up from the edge - not from the bottom.

AniCAM-P



The *New Standard* in Anilox measurement for volume checking, cell inspection and inventory data archiving



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Your authorised local AniCAM dealer:

v8.x - 08/2010



see the details...

“Every indication is that AniCAM will become the new standard in measuring Anilox cylinders” (Phil Hall, Managing Director Troika Systems Limited)

WHY ANICAM?

AniCAM-P was developed for printers where Quality Control of their Anilox inventory is desired. In particular for inhouse recording of new roll data, roll condition during use, and to enable financial planning for refurbishing or replacement.

Practical internal management of Anilox inventory is desired to reduce colour match time, ensure consistent print quality and highlighting potential issues before going to press by determining if a roll is clean or dirty.

The measurement of cell volume, cell depth and wall width is needed to keep aware of Anilox condition and reduce the chance of lost production time and possibly material waste.

KEY BENEFITS OF ANICAM

- ▶ A very practical and easy to use tool that will ensure your anilox rolls are properly identified with volume measurement, screen count, screen angle, cell opening and wall measurements, all done in just a few minutes. Knowing the condition of the Anilox in the heart of your press, through proper identification and verification, gives increased assurance of the final printed result.
- ▶ Being able to see if the cells are plugged or damaged with the *AniCAM digital microscope* will significantly help to reduce costly waste or reprints.
- ▶ Verifying the volume of a set of anilox rolls is essential for maintaining ink balance on press. Having a set of rolls that you know have similar volumes will reduce time consuming and costly ink strengthening and its associated work-off ink; it can reduce the need for ink extending and some work-off ink inventory.
- ▶ Two light sources: *Coaxial Light* (vertical illumination) and *Radial Light* (9-LED lighting system) designed to radiate the light into the cells, which leads to an optimum illumination for accurate readings.
- ▶ All measurement information and images can be printed or exported for use in 3rd party software (like Excel or database programs).
- ▶ An *integrated Roll Management function* stores the volume reading and date of measuring in roll related lists to easily track the wear of each anilox roll – allowing to plan, financially and in production, for roll replacement or refurbishment.
- ▶ AniCAM is very portable, therefore measurements can be taken in the press room, the plate room or in the anilox storage area making it a very practical all round tool for all print departments.



WHAT CAN BE MEASURED?

- Average Cell Volume
- Cell Frequency in lpi or lpcm
- Cell Opening Diameter
- Cell Wall Width
- Cell Depth
- Cell Angles

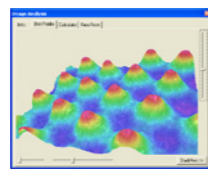
AMS COMPATIBLE

AniCAM readings can be imported into Troikas Anilox Management Software. The **AMS** database application enables the printer to fully control his Anilox inventory by tracking the wear and volume variance of each roll. This leads to a significantly reduced setup and ink adjustment time and increases the availability of the presses.

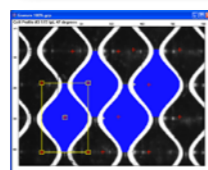
ELECTRONIC ARCHIVING AND REMOTE VIEWING

Images taken by the AniCAM can be archived and emailed. They are stored in their own format which contains all measured values needed for retrieval and evaluation. Remote sites only need the AniCAM software to view the images for analysis, which is available free of charge from support@troika-systems.com.

ANICAM MODULES



Flexo Plate Module for 2D and 3D measurement of flexo plates and sleeves (dot high, percentage, screen count, profile, angle, distances etc.).



Gravure Cell Module for 2D and 3D measurement of Gravure Cells (volume, depth, channel width, wall width, opening, screen count, angle, distances etc.).

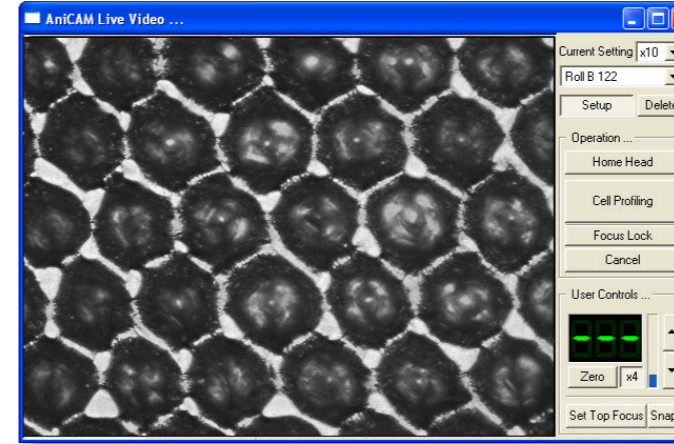
Foil Strip Analysis for measuring aluminium foil strips which are the inverse of conventional cells.

Special Report Forms like *Before/After Cleaning comparison* on a single printable report page.

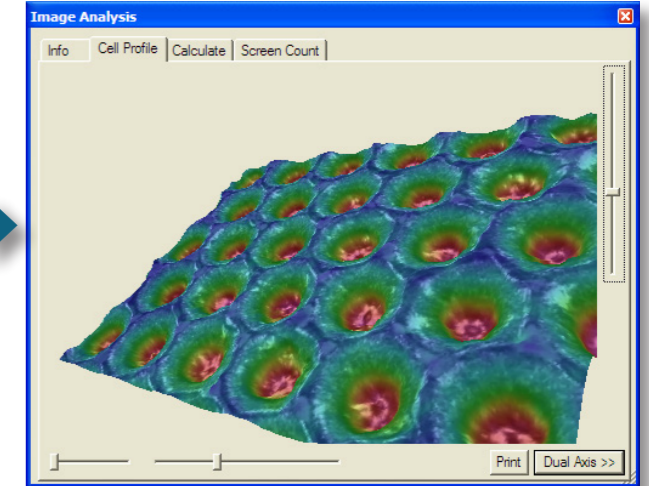
EASY TO USE AND PORTABLE

Although the AniCAM is a very professional instrument, it's operation is really simple: For volume readings place the portable AniCAM camera on top of your Anilox roll, select the appropriate setup and click in the **Cell Profile button** to get a full reading. The image will then be transferred to an Analysis window, which simultaneously displays the **info page** with the volume and depth readings. You simply enter the customer name, roll id and operator name. The system generates a report form which can be printed or exported to a database or spreadsheet program for further analysis such as your own reporting method or for anilox roll wear analysis.

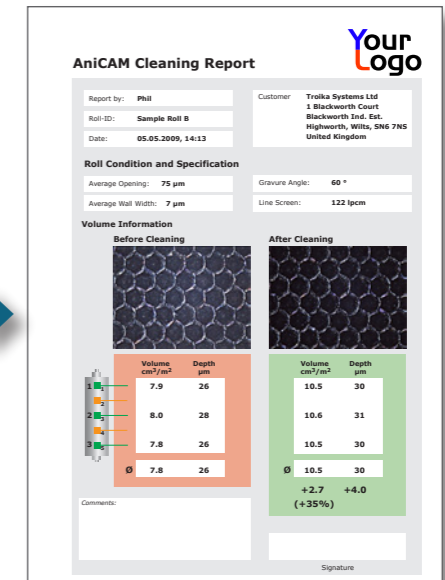
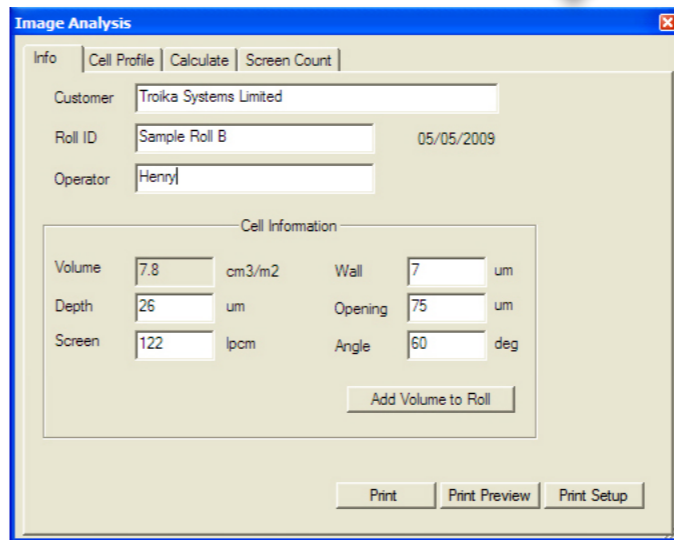
The AniCAM camera window helps you to find the target area



Rotatable 3D View of the cells



Cell Info window



Report Form printouts of all important readings and calculations.
Left: An optional Report Form allows the comparison of uncleaned and cleaned roll readings.

„Electronic Cut“ Cell Profiling



An Average Mode allows to predefine the number of sections to be read across the roll and the number of repetitions per section

