

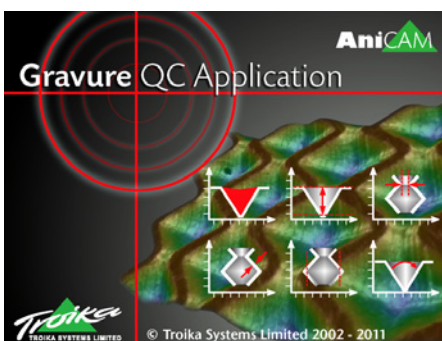
3D SCANNING MICROSCOPE

THE CAPTURING DEVICE FOR TROIKA QC APPLICATIONS



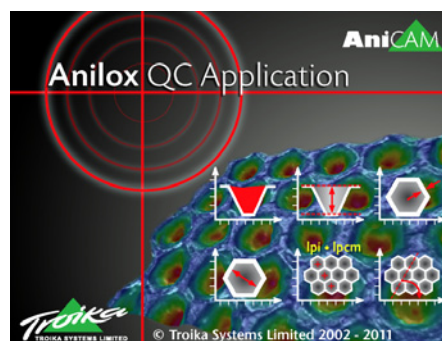
A MUST to CONTROL
your print **QUALITY** ...

GRAVURE QC APPLICATION



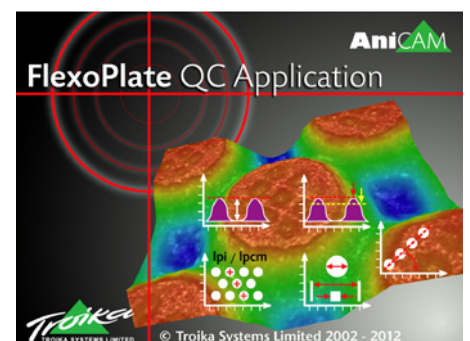
- 3D cell profile analysis (X/Y/Z)
- Cell Volume
- Cell Depth
- Cell Opening
- Wall Width
- Channel Width
- Engraving Angle
- Screen Count
- Stylus Angle

ANILOX QC APPLICATION



- 3D cell profile analysis (X/Y/Z)
- Cell Volume
- Cell Depth
- Cell Opening
- Wall Width
- Engraving Angle
- Screen Count
- Any X/Y measurements

FLEXOPLATE QC APPLICATION



- 3D dot profile analysis (X/Y/Z)
- Dot percentage
- Screen Count
- Dot height analysis
- Screen angle (on sleeves)
- Relief depth
- Any X/Y measurements

WHAT IS THE ANICAM ?

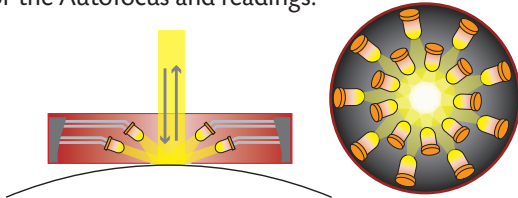
The AniCAM 3D Scanning Microscope is the capturing device for Troika's **Quality Control Applications** to measure Flexo-Plates, Anilox rolls and Gravure Cylinders. These applications are proven to enable printers to know the condition of their rolls or plates and make savings by reducing press setup time and waste.

Its design allows the camera to be placed on flat material and/or ceramic, chrome or steel cylinders. The internal high-tech motors can be stepped in fractions of a micron. The 3D images are generated from a number of "photos" taken at a different focus depths. The software combines the sharp parts of each image and creates the 3D representation of the substrate for which depth, opening, volume, dot shape and profile can be analysed.



COAXIAL AND RADIAL LIGHT

The camera unit is equipped with two light sources: **Coaxial light** is directed straight down onto the surface of the material and reflected back up the same path and onto the camera. It is essential for the Autofocus and readings.



The **Radial Light** is a 2 x 9-LED ring system that is designed to radiate light into the cells, which leads to an optimum illumination for most accurate readings.

PRODUCT SPECIFICATIONS

▼ Material
Chrome and Copper Gravure cylinders (20 - 200 lpcm 50 - 500 lpi)
Ceramic Anilox cylinders (40 - 475 lpcm 100 - 1200 lpi)
Flexo Plates & Sleeves (22 - 80 lpcm 55 - 200 lpi)
Minimum roll diameter: 2.5" / 63 mm
▼ Image Analysis
Images are taken by the camera and transferred via USB to the PC (Laptop). The 2D and 3D image analysis and calculations are done by dedicated Troika QC software applications (see separate brochures)
Digital Zoom range 1:1 up to 6:1
▼ Data archiving
Flexo Plate readings: .fcp format (incl. 2D/3D info)
Anilox readings: .acp format (incl. 2D/3D info)
Gravure readings: .gcp format (incl. 2D/3D info)
All readings: JPEG and BMP (bitmap export)
▼ Light Source
1 co-axial and 2 x 9 radial white light LEDs (SW-controlled)
▼ Lenses
The Microscope comes with three lenses (x04, x10 and x20)

TECHNICAL SPECIFICATIONS

▼ Electronics
Mono CMOS camera with 640 x 480 pixel resolution.
USB2.0 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
Intel or AMD processor, 2+ GHz, 2+ GB RAM, 1024 x 768, 24-bit Display, USB2.0, 60+ GB hard disk space
▼ Operating Systems
Windows XP / VISTA / Windows 7
▼ Warranty
12 months return to base. Software upgrades FOC for 12 months.

OPTIONS

▼ Calibration / Maintenance / Service

X/Y Calibration plate

Z-Axis Calibration tool (Available end of Q3 2011)

Annual Online-Calibration + Certification

Annual Service Contract

WEB based Online Training and Support

▼ Hardware Options

Battery pack (Available Q3 2011)

July 2011, E&OE. – Specifications and details subject to change without notice



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Your authorised local AniCAM dealer: