

 THE EXPERTS IN INK TRANSFER TECHNOLOGIES

**3D INSIGHT INTO ANILOX ROLLER
QUALITY & PERFORMANCE.**
DOTSCOPE ECO & DOTSCOPE MINI
FROM DAETWYLER.



Daetwyler

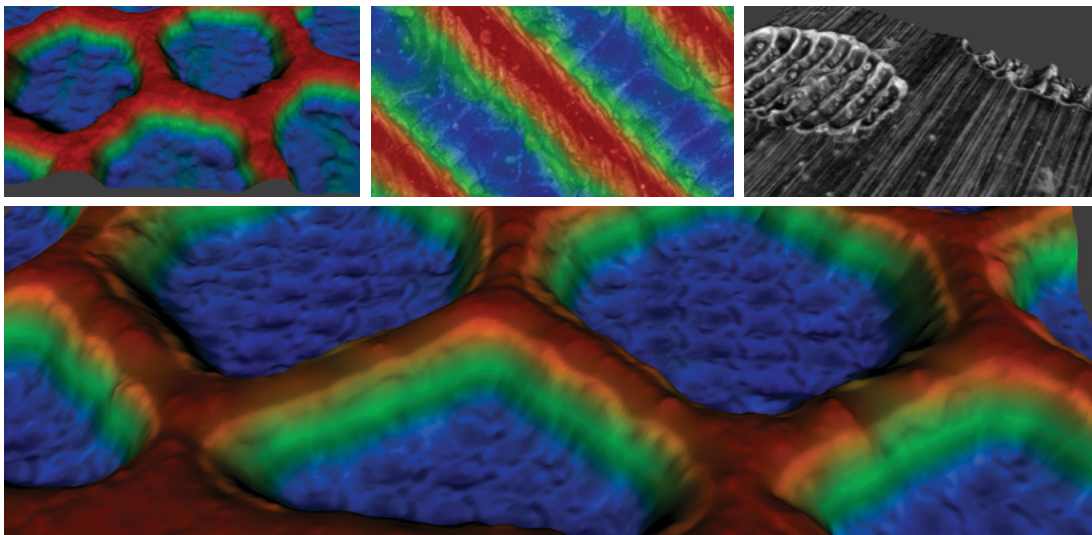
KNOW PRECISELY WHAT TO EXPECT FROM YOUR ANILOX ROLLER



The smallest imperfections on your anilox roller or sleeve can cause significant problems with print quality, ink usage, cleaning, and more. Even under ideal conditions, anilox rollers and flexographic printing plates undergo wear and tear that may not be visible with the naked eye. Knowing exactly what condition your equipment is in takes a deeper level of insight — it takes DotScope.

DotScope products are 3D microscopes specially optimized for measuring anilox rolls, complete with connected specialty software that analyzes readings and provides a simple, easy-to-read report of measurements, all in a matter of minutes.

- Lightweight hand-held 3D microscopes that take digital 3D measurements
- Suitable for
 - Anilox rollers and sleeves
 - Flexographic printing plates
 - Gravure cylinders
- Excellent for checking condition of new equipment prior to accepting delivery
- Ideal for monitoring wear and tear
- Makes identification of defects or damage simple, easy, and measurable



POINT. CAPTURE. MEASURE. IT'S THAT SIMPLE.

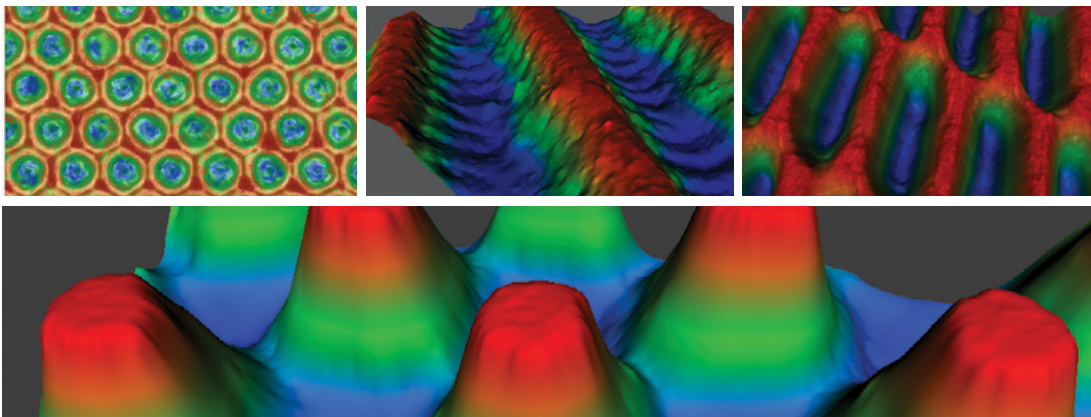


Available in two sizes - weighing approximately 4 pounds or 6 pounds, DotScope 3D measuring microscopes eliminate guesswork in your operation. There is no need to disassemble equipment prior to measurement, and three on-board lenses for each device mean no swapping out pieces when making different kinds of measurements. The only thing DotScope needs to provide you with 3D imagery and precise digital measurements is a USB connection to a desktop or laptop PC.

Simply aim the scope at an area to be measured, press the start button, and move from one point to another in your desired field. DotScope automatically adjusts its own onboard lighting and focus as it scans.

Once scanning is complete, tap the stop button and DotScope will compile a 3D profile that outputs as a digital topographic scan. Other measurements taken during the scan such as cell depth, cell volume, as well as screen angles and line screen will also be reported without any extra steps from you.

The whole procedure takes only about 15 seconds and then can be stored in a specific profile for each piece of equipment. DotScope's software includes a history function so there is no question as to current vs previous condition or actual vs. stated condition of equipment. Additional tools for the measurement of transverse and longitudinal diagonals, channels, wall widths, depth and profile sections are also available.



DotScope *mini*

Technical Specifications:

- Maximum vertical scan range: $\pm 0,9$ mm
- Optional other ranges possible
- Weight: 6.39 pounds

DotScope *eco*

Technical Specifications:

- Maximum vertical scan range: 1800 μm
- Optional other ranges possible
- Weight: 4.18 pounds

DOTSCOPE PRODUCTS SHARED TECHNICAL SPECIFICATIONS

- Image resolution: 768 x 576 pixel
- Roll diameter: From 60 mm to flat
- Optics:

Lens	Max	Min. Optical Resolution	Screen Range
5x	1400 x 1060 μm^2	1,10 $\mu\text{m}/\text{Pixel}$	15...60 l/cm
10x	700 x 530 μm^2	0,55 $\mu\text{m}/\text{Pixel}$	30...240 l/cm
20x	350 x 260 μm^2	0,27 $\mu\text{m}/\text{Pixel}$	60...500 l/cm

ENVIRONMENTAL CONDITIONS:

- Operating temperature: 15°C...35°C
- Storage temperature: 10°C...40°C
- Humidity: 30%...60%
- Minimum PC requirements: Operating System Microsoft Windows 7 / Windows 10 Intel / AMD x86 oder x64 processor 4 GB RAM Screen resolution 1024x720 2 free USB 2.0 ports
- Recommended PC requirements: 4 GB RAM Processor e.g. Intel Core i5, > 2 GHz
- Data export: .m2d, .m3d (measurement with all measured data), .jpg, .x3p
- Illumination: Coaxial and radial LED illumination
- Cable length: Optionally 2m, 3m or 4,5m
- Included in delivery: DotScope camera with 3 lenses, DotScope software on USB stick, dongle, USB cable and transport case

ADD THE PRECISION, CERTAINTY,
AND CONFIDENCE THAT ONLY COMES
WITH DIGITAL 3D MICROSCOPIC
MEASUREMENT. BRING THE DETAIL
AND INSIGHT OF DOTSCOPE INTO
YOUR PRESSROOM TODAY.



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