

Media Contact: Tom Greenwell **Tel:** +44 (0)870 991 4044 **Email:** tom.greenwell@analytik.co.uk

Analytik launch NEW VideometerLab 2: A full visual quality assessment in 10 seconds

Analytik announce the release of the new VideometerLab 2, an easy-to-use multispectral imaging and automated visual measurement system for fast and accurate determination of surface colour, texture and chemical composition of manufactured and natural products. Based on high-intensity integrating sphere illumination via light emitting diodes (LEDs) together with a high resolution camera, the well defined and diffuse illumination enhances true colour as well as colour variation of samples.

For materials with non-uniform colour and texture, conventional optical techniques such as NIR spectroscopy only measure a single point or average over a fixed area and do not give an objective overall assessment of visual quality. Studies have shown that VideometerLab 2 is as accurate as a test panel, with a significantly higher repeatability, removing subjective analysis. Certain areas of special interest such as shape, size or texture can be studied automatically.

VideometerLab 2 can be optimised for a given application and is not restricted to the wavelengths spanned by traditional RGB technology. Using LEDs in the UV or NIR adds information not visible to the human eye. As an example, most objects are white or transparent in the NIR region, which allows for the separation of the colour and surface properties of the measured object.

Designed for fast, non-contact measurement with minimum user interaction. Uniform and non-uniform samples alike are simply placed in the target area and custom designed PC software for data capture and analysis means results are available in 10 seconds; including sample handling time.

VideometerLab 2 can measure colour, texture, shape, size, orientation and gloss, providing product and process information in the following areas:

Food

Product conformity, quality grading, shelf life/spoilage and formulation studies for bread, biscuits, snack foods, cheese, meat, sugar. Grain applications include fusarium detection, hydration and germination studies.

Pharmaceuticals and Cosmetics

Colour deviation may indicate manufacturing errors in both liquid and solid products and packaging. Potential counterfeit or substitution issues can also be highlighted.

Biotechnology

Identification of microbial cultures in agar, and enzymatic treatment effects.

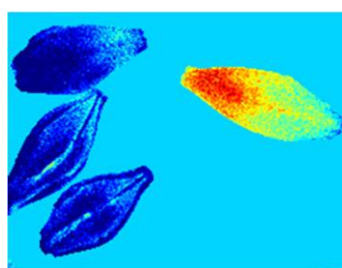
Surfaces/Materials

Texture and colour of textiles, paper, wood, metal and ceramics can all be assessed.

To find out more about VideometerLab 2 visit: <http://www.analytik.co.uk/multispectral-imaging.htm>



Attachment (a): VideometerLab 2



Attachment (b): Fusarium on barley

About Analytik:

Analytik are specialised consultants and suppliers of unique, high quality analytical instrumentation throughout UK and Ireland. Innovative solutions from leading global instrumentation manufacturers, coupled with unparalleled customer support have enabled Analytik to forge a reputation for excellence since forming in 2003.

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For further information contact:

analytikLtd

Barn B, 2 Cygnus Business Park, Middle Watch, Swavesey, Cambridge, CB24 4AA

T: +44 (0)870 991 4044 **F:** +44 (0)870 135 2488 **E:** info@analytik.co.uk www.analytik.co.uk