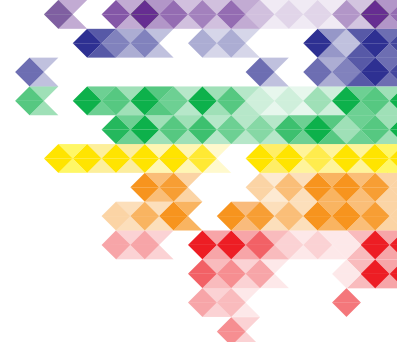# DigiEye

Putting Colour in Context

DIGITAL NON CONTACT
COLOUR ASSESSMENT

DigiGrade
colour fastness testing

Accurate. Fast. Objective. Repeatable.

www.verivide.com

DigiEye

Putting Colour in Context

DigiGrade - colour fastness testing

Versatile. Proven. Indispensable.

DigiGrade grades samples using a specially calibrated camera that relays images to the DigiGrade software, which then presents and stores results data.

Little human expertise or judgement is needed and DigiGrade can be operated by almost anyone with a single day's training.

DigiGrade is fully tested and proven

Over several years of trials in design, manufacturing and laboratory environments, it has been approved as the benchmark test process by many major retailers.

DigiGrade is versatile too

It can automatically grade single or multiple samples and delivers rapid test results for colour and light fastness, shade change, staining, and analyses of stain removal and crocking.

In short, DigiGrade is indispensable to any textile-related enterprise with a stake in supply chain efficiency.

www.verivide.com

Visual v Digital

Visual

The conventional method: relies on subjective human judgement and is inherently problematic.

▶ It's subjective. Even excellent human eyesight varies from tester to tester, producing different judgements.

▶ It provides skills that typically require six months of training to develop.

▶ To meet international standards, multiple assessors have to agree on grades. This ties up resources and creates bottlenecks.

▶ Research shows that even when assessors agree, actual shade variations often exceed acceptable tolerances.

▶ Subjectively graded products may be incorrectly accepted or rejected, leading to disputes, delays and added cost.

▶ There is no 'assessor of last resort' to deliver authoritative judgements that everyone can accept.

Digital

DigiGrade automatically grades single or multiple samples delivering rapid, accurate and objective test results.

Subjective judgement is eliminated together with shortened lead times, reduced costs, and improved supplier relationships.

✔ It replaces fallible human subjectivity with consistent digital objectivity. DigiGrade systems give the **same results irrespective of operator or environment**.

✔ There are fewer disputes and errors because DigiGrade is operator independent. It offers a means of arbitration that everyone can accept.

✔ **DigiGrade works much more quickly, accurately and repeatedly** than humans, and on multiple samples, increasing productivity and reducing bottlenecks.

✔ Any two DigiGrade systems will be in much closer agreement than any two human assessors - crucially, **better than the ISO/AATCC requirement of half a grey scale**.

✔ Images and test results can be sent electronically, **saving time and sample shipping costs**.

✔ DigiGrade does more than just grade colour fastness. It also measures and analyses staining, on light fastness and crocking (rubbing).

✔ Training is reduced, typically from six months for a visual assessor to one day for a DigiGrade operator. And anyone can be a DigiGrade operator, so **personnel can be used more flexibly**.

✔ Increasingly, DigiGrade is **recognised as the world's most reliable and efficient colour fastness assessment system**.

✔ Using DigiGrade demonstrates an organisation's commitment to **high quality standards and supply chain efficiency**.
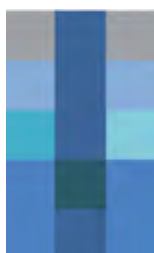
DigiGrade - the best gets better

All VeriVide products are continuously improved - DigiGrade is no exception. The latest developments include:

ISO A11 Standard
DigiGrade now officially meets BS EN ISO 105-A11:2012 Textiles – Tests for colour fastness Part A11: Determination of colour fastness grading by digital imaging techniques.

Light fastness assessment
DigiGrade automatically determines the light fastness of blue wool samples. It is accurate and consistent. The end-point can be measured, recorded and viewed.
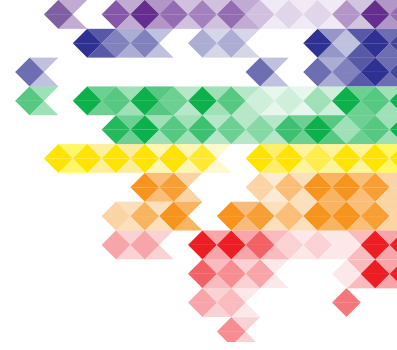
Rubbing tool
Offers one-click crocking testing using a pre-defined filter. Eliminates the need for before and after measurements.

DigiEye

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DigiGrade - the benefits

- ▶ The world's most reliable and efficient colour grading system.
- ▶ Much faster and more accurate than visual grading and AO4/AO5.
- ▶ More objective than visual grading, so less scope for variation or disagreement.
- ▶ ISO and AATCC compatible.
- ▶ Measures many samples at the same time.
- ▶ Measures 3D surfaces, non-uniform shades, uneven staining.
- ▶ Stores and communicates data and images.
- ▶ Easy to use - one day's training required.
- ▶ Proven over several years in global trials.
- ▶ Accepted by major retailers, including M&S.
- ▶ Used by most independent testing labs.

Find out how best to maximise its benefits for your business, contact the DigiEye team

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VeriVide

See in Truth

For further technical information
visit: www.verivide.com

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