



Manufactured by
VeriVide Ltd

The DigiEye System

a complete non-contact color
measurement and imaging
solution.



DigiEye

Putting Colour in Context



VeriVide
See in Truth

What is DigiEye?

- DigiEye is a digital colour imaging system with many proven applications.
- Offers the ability to consistently and reliably measure colour & appearance using a non-contact method.



- **Characterized SLR Camera.**
 - Recording colour data at millions of points
- **Calibrated Monitor & Printer.**
 - Accurate on-screen product representation.
 - Colour accurate photographic images.
- **Enclosed 'DigiEye Cube.**
 - Eliminating all ambient light.
 - Product capture in Consistent lighting
 - Both Angled and Diffuse lighting.

DigiEye

Putting Colour in Context

- Unique ability to provide accurate colour data for regular & irregular shapes.
- Captures the total colour and appearance of 2D and 3D objects.
- Uses a unique controlled lighting environment developed by VeriVide
- Reliable, consistent colour measurement and high definition imaging
- Used within many diverse applications; colour matching, accurate colour measurement, inspection, audits & QC.



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What Does DigiEye Deliver?

SPECTROS

- Traditional colour communication.
- Colour only – no appearance, no visualisation
- Works well on flat, opaque objects
- 40% of products in supply chain.



DIGIEYE

- Extends colour communication
- Colour, Visualisation and appearance
- Works well on textured, 3-D and large objects
- 90% of products in the supply chain



Colour measurement of flooring using DigiEye

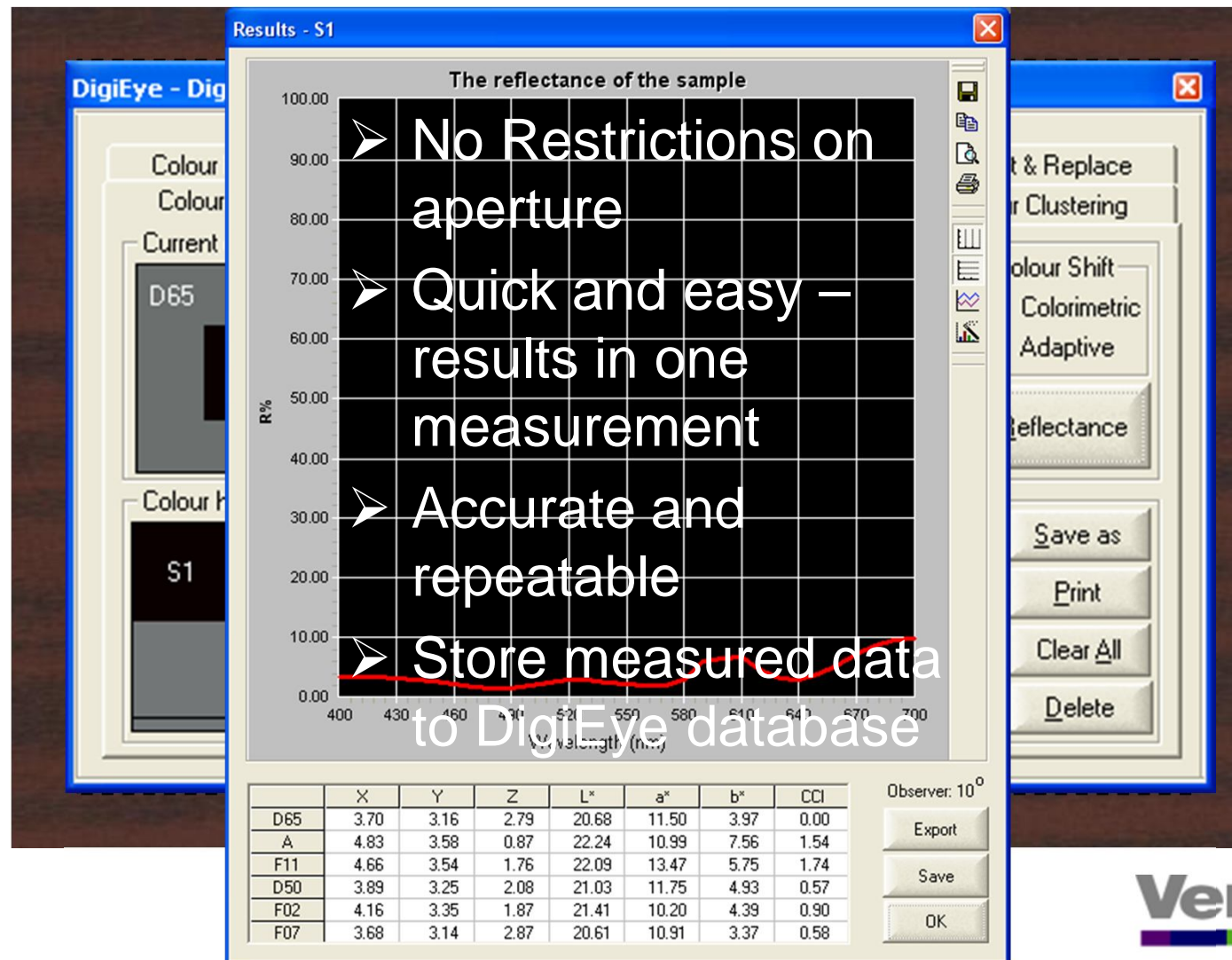
- Traditional instrumental systems are limited by small apertures
- Do give reliable results
- DigiEye has not such restrictions up to approximately 300x200mm

What Else can DigiEye offer?

- DigiEye can be used to calculate average colour
- Colour of the raw or stained wood – ignoring the grain
- Colour of the grain only
- Percentage coverage of the grain

Colour measurement of flooring using DigiEye

Average colour using DigiEye



Colour measurement of flooring using DigiEye

Measurement of Stain or raw wood

- DigiEye's sort and replace feature allow very specific selection criteria
- The user can compare the colour of the main body of the wood without influence from the grain
- Removes the variable of surface structure
- More accuracy – Allows user to define tight tolerances for colour

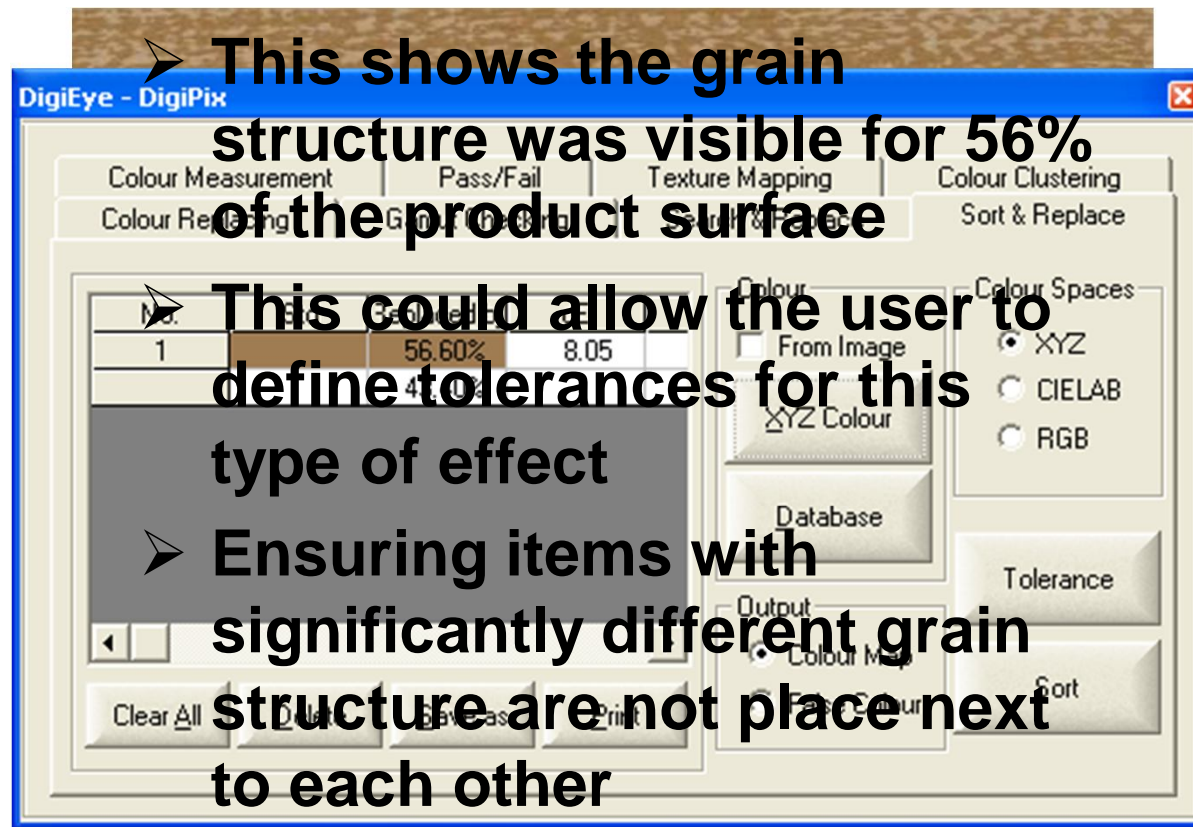
Colour measurement of flooring using DigiEye

Percentage distribution of surface grain

➤ This shows the grain structure was visible for 56% of the product surface

➤ This could allow the user to define tolerances for this type of effect

➤ Ensuring items with significantly different grain structure are not placed next to each other

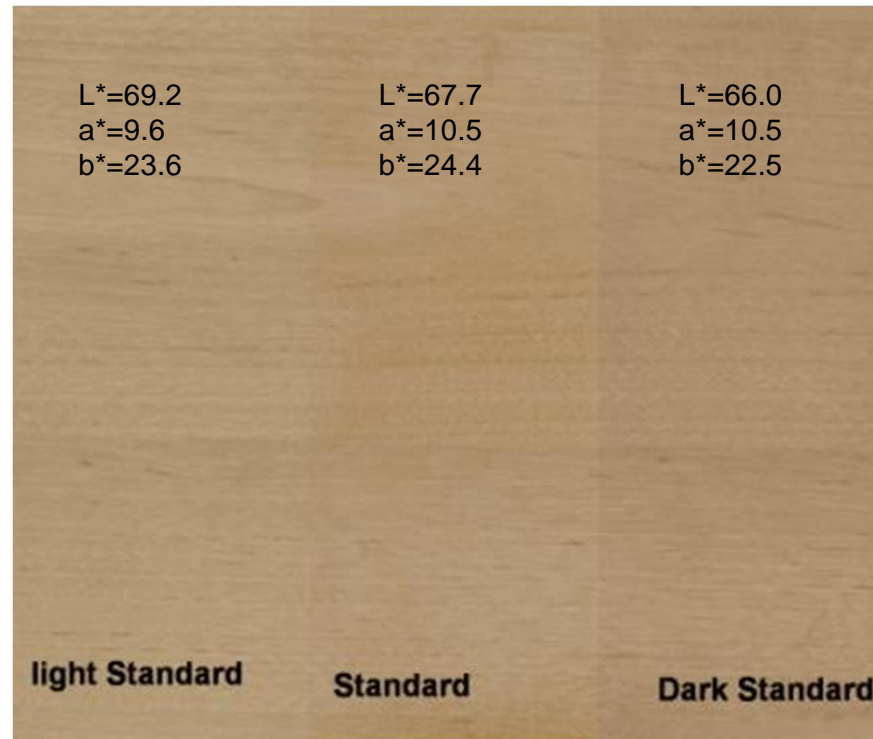


No.	Grain Effect	Percentage	Value
1		56.60%	8.05
		41.0%	

The screenshot shows the DigiEye - DigiPix software interface. It features a table with columns for 'No.', 'Grain Effect', 'Percentage', and 'Value'. The first row shows '1', an empty cell, '56.60%', and '8.05'. The second row shows an empty cell, an empty cell, '41.0%', and an empty cell. The interface also includes several control panels: 'Colour Measurement', 'Pass/Fail', 'Texture Mapping', 'Colour Clustering', 'Colour Replacing', 'Grain Effect', 'Sort & Replace', 'Colour Spaces' (with radio buttons for XYZ, CIELAB, and RGB), 'Database', 'Tolerance', 'Output', and 'Sort'. At the bottom, there are buttons for 'Clear All', 'Quit', 'Save as...', and 'Print'.

DigiEye – Additional Features & Benefits

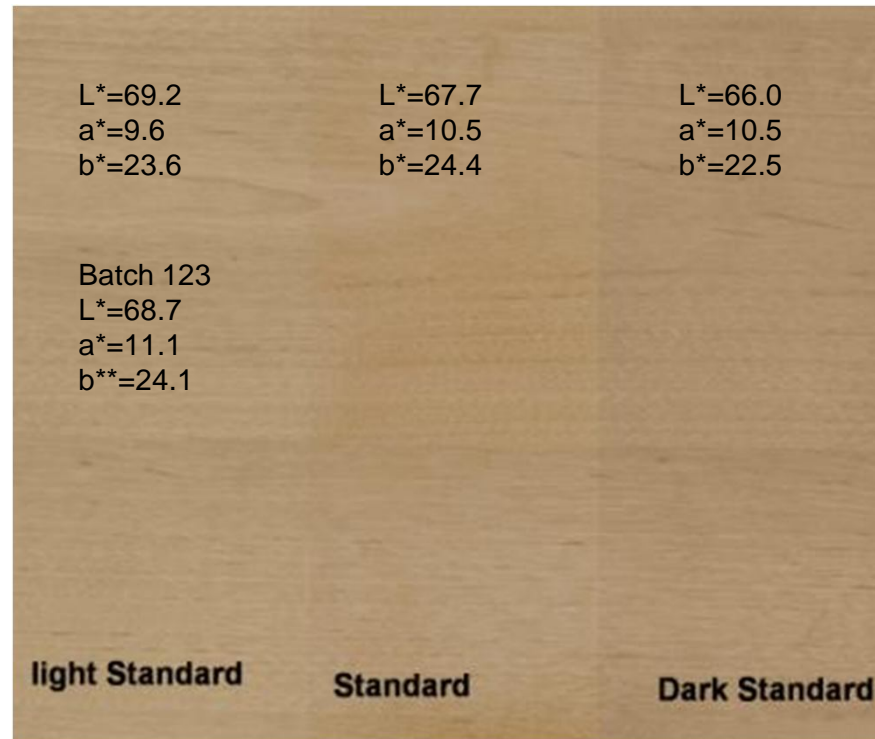
Generate ‘Virtual’ visible tolerances



- Create ‘light & dark’ tolerances around your standard
- Allows you to visualise your numerical tolerances
- Print and use as photographic standards
- Instrumentally assess product using DigiEye & ‘virtual’ tolerances

DigiEye – Additional Features & Benefits

Generate ‘Virtual’ visible tolerances



- Display visual match against all 3 standards at the same time
- Measurement data for all samples
- All data in one image

DigiEye – Additional Features & Benefits

Virtual Sampling



- Lower costing for sampling
- Increased ROI
- Fast and accurate recolouring

The DigiEye System

Manufactured in the UK by VeriVide Ltd



Registered under BS EN ISO 9001 Certificate No. 3393.

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