3D SURFACE DIRECTOR
COMPLETE SOLUTION FOR DIGITAL SURFACE CREATION

Turn real colors, natural structures and light reflexions into new surface products …

:::ColorGATE

Innovative Solutions
Committed to Color

3D SURFACE DIRECTOR SOLUTION

A brand new turn-key solution targeting designers and manufactures of surface products that consists of the unique SURF 3D digitization hardware and a complete software suite to acquire, transform and output complete surface description data.

SuperScan – total appearance digitization

The METIS Light Inspector software acquires with its SuperScan a complete surface description that includes accurate color definition, depth structure and reflectance information of the digitized object surface. The SuperScan can be used to reprocess the light condition in terms of its direction and intensity in order to change the visual appearance of SuperScan image.

Color accuracy is ensured by a unique color calibration and color conversion process. A surfaces depth structure information can be visualized, modified and stored in an embossing depth map. A reflectivity map describes the reflectance properties of a surface with its characteristics like reflections and shadows.

DPS Surface Director Edition
Color management software with a direct driver to turn the SURF 3D hardware into a color meter to be used for ICC-characterization of any color printing device.

The unique Out of Gamut Module allows to visually inspect the new surfaces color data with respect to the reproduceability on a given printing system before the complete print data will be generated.

Universal Surface Director TIFF driver
Supports all common output color modes in any resolution including special color information for primer, white, gloss or varnish.
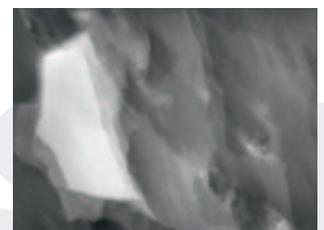
It is possible but not necessary to extend the DPS Surface Director Edition with direct printer drivers and other application specific modules.

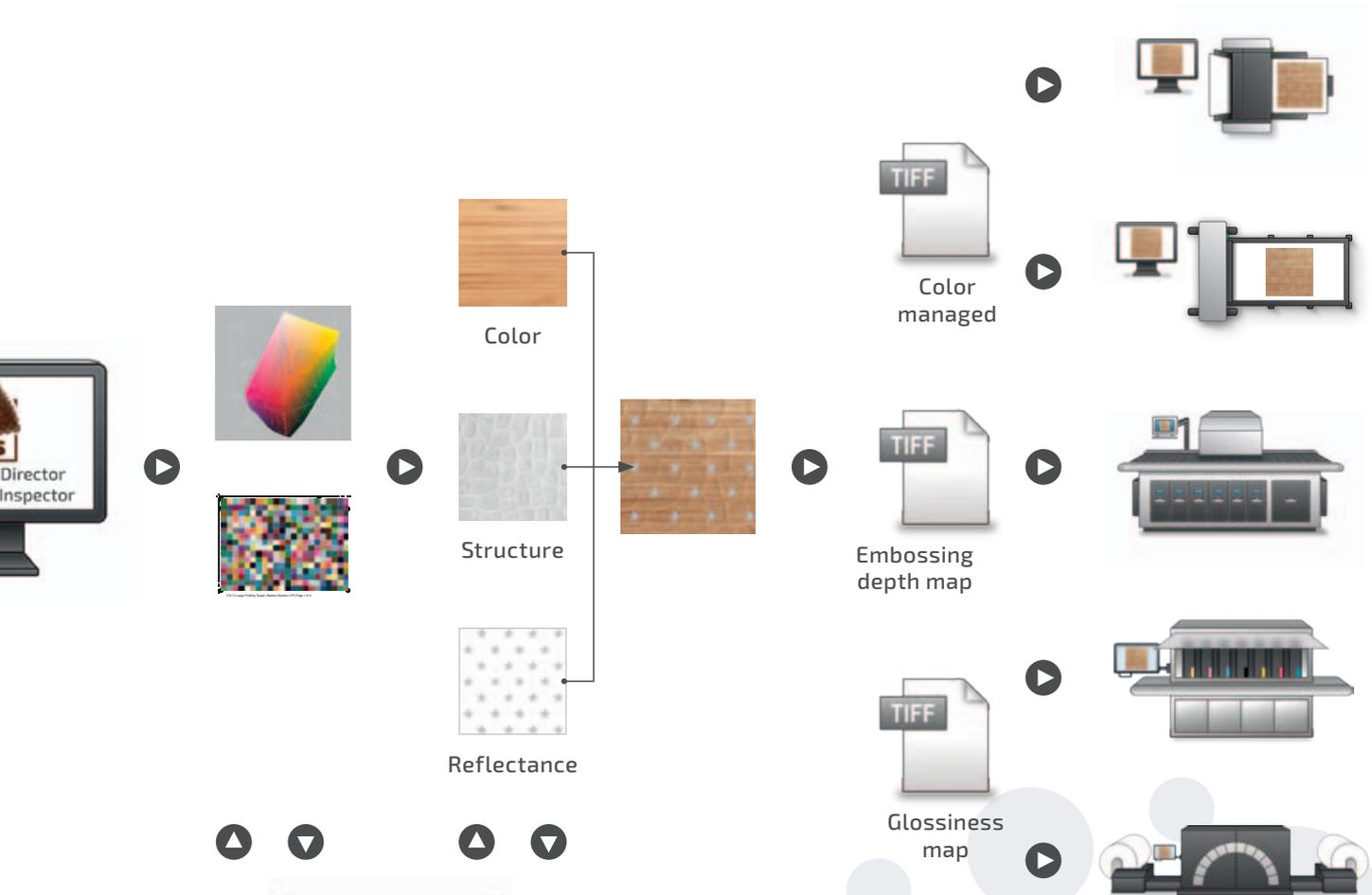flat appearance

3D appearance

3D depth data

ColorGATE is a proud OEM of METIS Systems srl

The italian high-tech scanner manufacturer supplies its latest innovation the METIS Surf 3D in a special ColorGATE Edition to form the acquisition system for original surface digitization. A smart combination of METIS Light Inspector in combination with ColorGATE's Décor Productionserver color management platform build the software ecosystem for digital surface creation.

Color

Structure

Reflectance

Color managed

Embossing depth map

Glossiness map

Connectivity to all platforms

The industry wide supported TIFF-format opens up connections to all further image editing software such as Adobe Photoshop and TIFF serves as a standard file format that most DFE's and 3rd party RIPs can handle. This ensures that basically any printing system can take advantage of this new solution.

DECOR
PRODUCTIONSERVER

DPS 3D SURFACE DIRECTOR

:: Turns Metis Scanner into color meter for color characterization
:: Including complete Linearization Assistant and Profiling Suite
:: New Out of Gamut Module for color reproduction forecast
:: Special Surface Director TIFF driver to generate output in all standard colormodes, plus up to 6 special colors
:: Includes 1 year Software support and maintenance

3D Surface Director Technical Data

Specifications	
Max. scan format	~49 x 32 cm (without stitching)
	~49 x 60 cm (1 stitch)
	~49 x 85 cm (2 stitches)
Max. substrate thickness	~5 cm
Camera	Canon EOS 5DS (50 Mpixels)
Optical resolution	450PPI (software scalable)
	Very large depth of field
Focusing	Autofocus Lens (software controlled)
Lighting spec	8 independently controlled light sources
Light Source Type	High CRI LEDs, IR/UV free
Capture time	~30 sec. (full format and resolution)
Capture + Save time	~1 min. (full format and resolution)
Holding able type	sliding drawer can fully extend in the front and back of the scanner to facilitate mounting the original but also for stitching purposes
Drawer size	85 x 70 cm *
Dimensions	95 cm width, 70 cm depth, 150 cm height

* long originals can be fitted but will not be entirely supported

Software features	
METIS Light Inspector	

:: Reprocess the light direction for customized visual appearance
:: 3D Depth MAP (embossing data) generation and modification
:: Glossiness MAP (reflectivity data) generation
:: Stitch longer originals that could not fit in one scan
:: And much more (see METIS Light Inspector software for more information)

DPS 3D Surface Director	
Output Management	11 x Hotfolder, 3 x RIP Process, 1 x Queue
	Metis Scanner device driver
	3D Surface Director TIFF driver
Modules	Out of Gamut Module (OOGM)
	Profiler Suite (PFS)
	Linearization Assistant

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