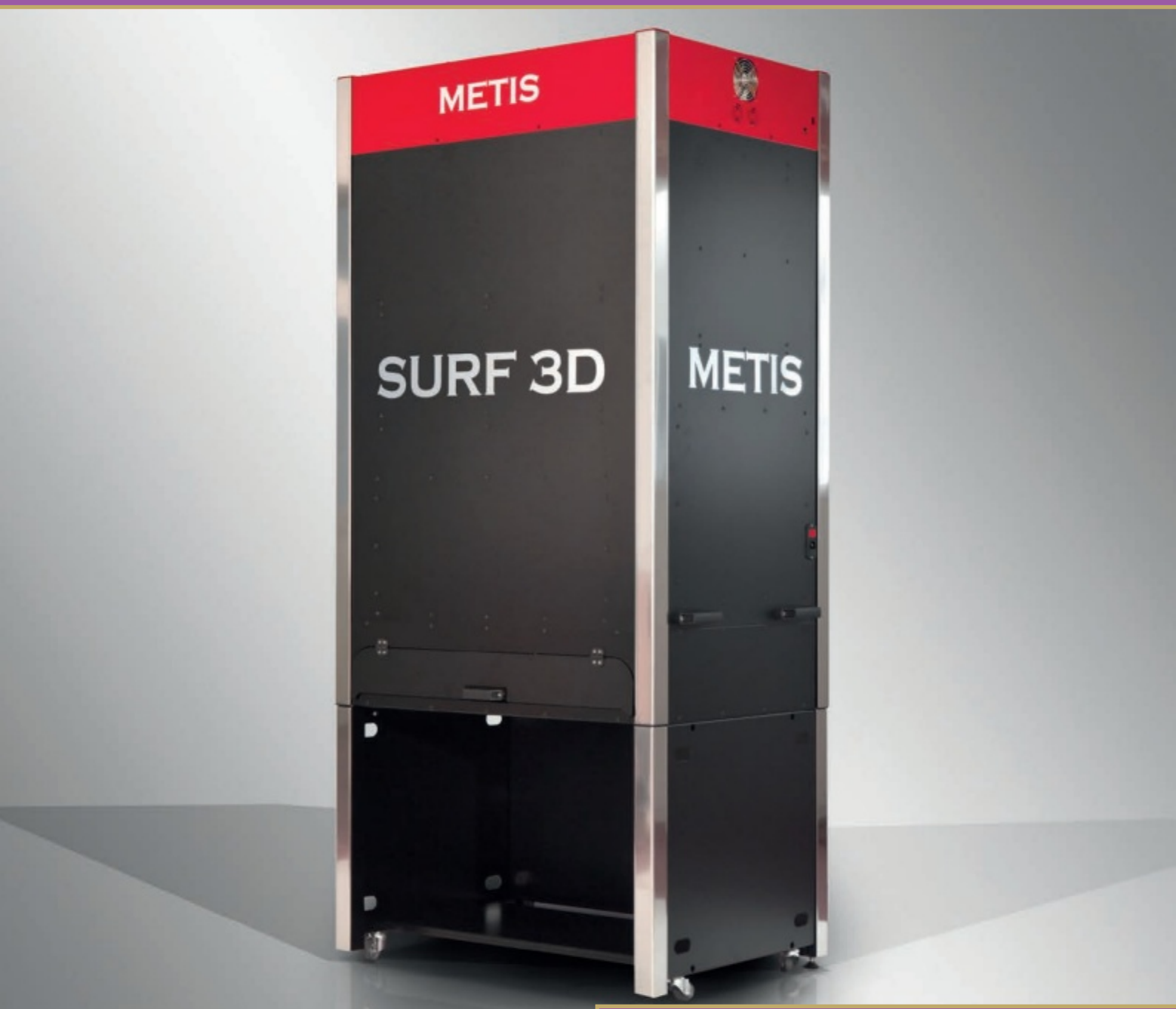
High Quality Scanners

50 YEARS
GENUS
ARCHIVE • DIGITISE
• Established 1974 •



SURF 3D

The compact surface scanner, specifically designed for Decor Industry. Desiugners and other creative markets.
The SURF 3D integrates cutting-edge METIS colour capture technologies with the calculation of 3D data and glossiness into a compact, high-speed solution.

METIS TECHNOLOGY

SPECIFICATIONS

METIS SURF 3D

Welcome into the new compact scanning technology!

SURF 3D® is the first compact high speed scanning system for generating texture maps with the best color accuracy and 3D data accuracy on the market.

The scanner is capable of digitizing materials with texture, glossiness, and other such surface features as small planks of wood, tanned leather, fabrics and textiles, ceramics, natural stone wallpapers, etc.

SURF 3D® provides a color image with a strong visual appearance, 3D embossing data (e.g., for using in 3D printing or embossing applications), where the scanner can also be used to capture material properties (e.g., diffuse, glossiness, bump, and Normal MAPs, etc.) in order to perfectly reproduce the material in CGI and other 3D rendering applications.

Target markets:
Decor industries, Architectural Studios, Virtual 3D designers and creatives, 3D visualization Studios, Interior designers, Automotive designers, VFX Artists, Game developers and many more.

Main Feature and Specifications:

- **Optical Resolution:** 400 PPI (software scalable)
- **Max original thickness:** ~ 5 cm (1.97 in)
- **Scan format** (~):
  - without stitching: 49 x 32 cm (19.3 x 12.6 in)
  - with 1x stitching: 49 x 60 cm (19.3 x 23.6 in)
  - with 2x stitching: 49 x 85 cm (19.3 x 33.5 in)
- **Integrated Camera:** Canon R5 or Nikon D850
- **Focusing:** Lens autofocus (software controlled)
- **Lighting System:** 8 independently controlled light sources
- **Light source Type:** High CRI LEDs, IR/UV free
- **Capture Time (full format at 400PPI):** ~ 30 sec.
- **Capture + SaveTime (full format at 400PPI):** ~ 1 min.
- **Acquisition modes:** Scan, SuperScan
- **Image Save formats:** Metis MDC; Color images: TIFF 48 or 24 bit; Normal Map: TIFF (Color 48 or 24 bit); Depth and Glossiness Maps: TIFF (Greyscale 16 or 8 bit)
- **METIS SURF 3D® capture software:** Runs natively at 64bit on Windows 10 or 11 Professional 64bit
- **METIS Light Inspector software (special version):** Integrated into the scanning software, Light Inspector provides extensive features allowing the post-processing of a METIS SuperScan raw file, such as adjustment of the light and visual appearance, the generation of the 3D Depth, Glossiness, and Normal MAPs, automatic stitching tool and much more
- **METIS Color Profiler software:** It perfectly and automatically handles scanner color accuracy with many extensive tools for calibrating, profiling, converting, validating colors and ICC profiles; it provides full ICC support from scan to visualization and from visualization to exported data
- **Holding Table type:** The sliding drawer can fully extend in the front and back of the scanner to facilitate mounting the original but also for stitching purposes
- **Drawer sizes** (~): 70 x 66 cm (27.56 x 25.98 in). Scanning area is anyway limited to 49 x 32 cm (19.29 x 12.6 in)
- **Scanner sizes** (~): 100 cm (39.37 in) length, 71 cm (27.95 in)width, 208 cm (81.9 in) height

Product specification or appearance may change without prior notice - v.2022.12-EN

Ways to get in touch

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