

ORIGINAL OR REPLICA?

3D-SCAN AND TEXTURED PRINTING – This unique technology enables you to barely see the difference between an original and a replica. Pictures, décor materials, paintings, collages – for companies, artists, hotels and the home.

Lana – attractive design and room decoration can be achieved with a wide range of objects. Create an individual working and living ambience with flowers, beautiful interiors, paints and pictures. Visitors will encounter a pleasant atmosphere in the entrance and client space that facilitates face-to-face meetings. The pictures on the walls do not necessarily need to be originals. Extraordinary reproductions can also achieve an extraordinary impact. Each entrepreneur, interior designer or interior decorator coordinates the “highlights” of the visual furnishings in rooms with the company.

Unique reproduction and printing technology

This is where LANAREPRO comes into its own. Alongside high quality print products on paper, such as catalogues, books and fine cardboard packaging, LANAREPRO also reproduces and prints paintings, pictures and photographs. The company uses an absolutely unique technology for the reproduction of images right through to the printing of replicas. LANAREPRO is one of the few companies in the Central European region to have repeatedly invested in extraordinary reproduction and printing technology through its many years of reproduction and printing experience and to consequently offer a unique selling proposition today. Our maxim of quality coupled with industrial production enables attractive print products to be created at excellent value-for-money.



Printed detail of a textured replica: original image “Ortler” by Ernst Müller, Lana. The haptic elements where the paint has been applied by brush or spatula can be seen in the artwork.

**One unique feature
is the printing
of three-dimensional
textures, which
have first been
created with the
Flash LED 3D scanner.**

Real 3D scans of large-format originals such as oil and acrylic paintings, textiles, marble slabs, timber floor boards, photo collages etc.

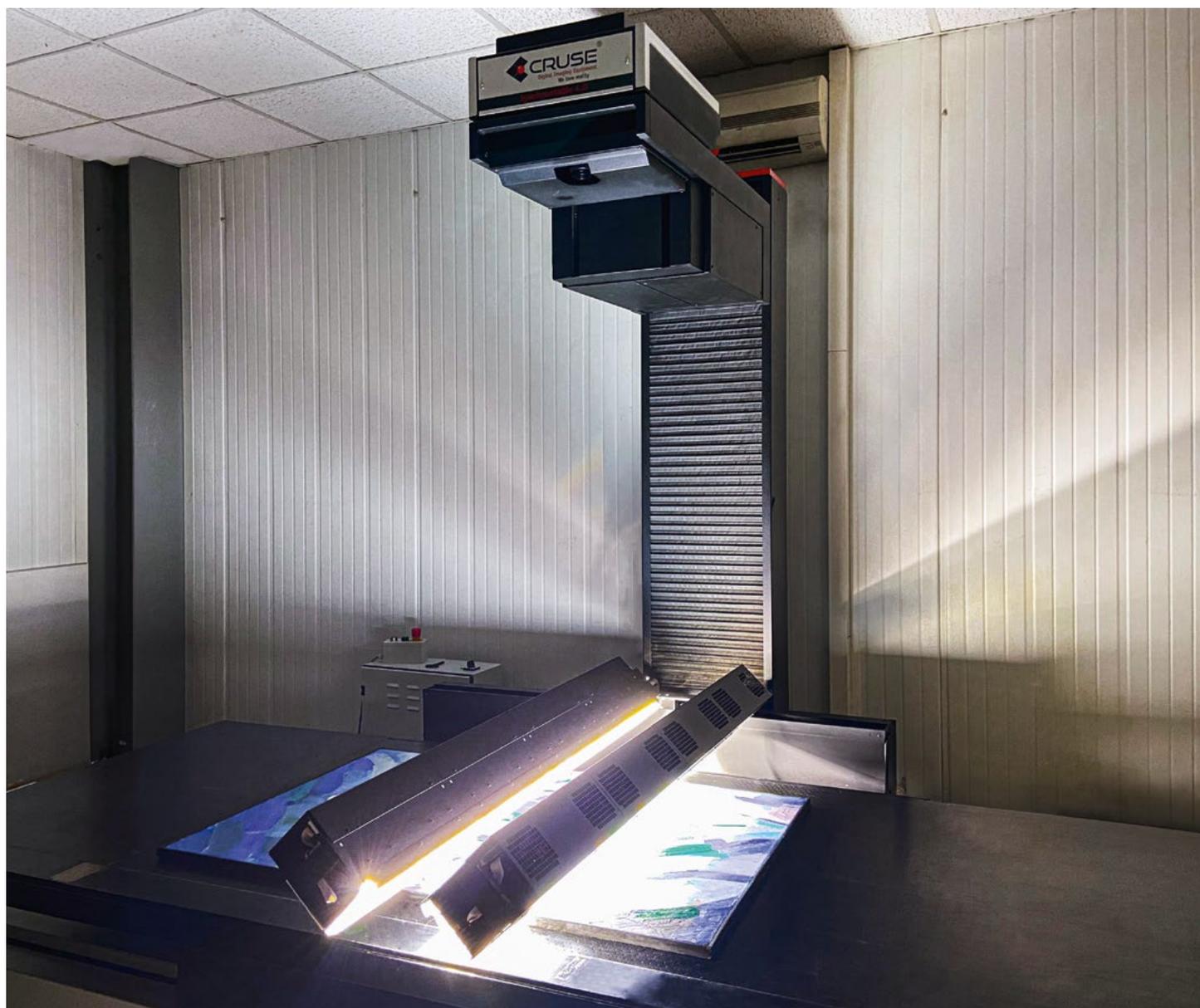
With the Flash Light 3D line scanner, LANAREPRO creates real 3D scans of haptic surfaces. Large-format reference images such as acrylic, pastel or oil paintings, marble slabs, textiles, old photo collages or wooden panels with structures up to several centimetres in height, can be scanned in three dimensions. Thousands of LED lights “expose” a reference object from different angles at the same time. Whilst a large table continues to move the reference image, a 15,000-pixel line camera (in one line) scans the reference image as it moves on the motorised table. This happens at extremely high speed without the reference image being physically harmed in any way. The LED lights do not give

off heat that could damage the image. During scanning, the system generates enormous quantities of data about the scanned three-dimensional layers. Using a special software programme, the individual digital layers are specially processed for the large-format print and the necessary profiles generated.

LED UV textured printing – is it the original or a printed copy?

The images are then printed with LANAREPRO'S new LED UV printing system. The special large-format printer is suitable for printing on a wide range of materials. In addition to compound materials, acrylic glass and plastics, particularly sustainable materials such as wood, cardboards and more can also be printed on. Naturally, all print-

ing colours, inks and varnishes used are certified “green”. LANAREPRO regularly undertakes numerous actions to reduce its ecological footprint in accordance with the latest knowledge. One unique feature of the business is that we print three-dimensional structures that have first been created with the Flash LED 3D scanner. Scanned structures within a range of approx. 0.5 to 2 millimetres are “reduced” using special software and then printed. Even in the case of acrylic or oil paintings, using this technique it is possible to print replicas that can hardly be distinguished from the originals. Artists and museums entrust original works to LANAREPRO or rent the Flash LED 3D scanner by the day and employ their own staff to scan their works. Some artists have recognised that this provides an interesting possibility of replicating their works and thus achieving added value.



The Flash Light line scanner generates many file layers simultaneously using hundreds of flashes from different angles.

Possible uses of three-dimensional digital image layers

In addition to reproduction, the printing of replicas for artists, private individuals, companies and the hospitality industry, the three-dimensional image layers are also used for creating high quality rooms and for planning and marketing purposes. Leading flooring or décor manufacturers have their ranges of décors scanned. The digital surfaces are digitally "lain" in the rendered rooms. The image files that are created from this are used for the internet and also for printing marketing documentation. In this way, companies save on the time-intensive and costly real-life installations of floors, pictures and interiors for elaborate photos.



Vergrößertes Detail eines gedruckten Replikates mit Struktur. Man erkennt gut alle Erhebungen und Vertiefungen, welche originalgerecht gedruckt werden.



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LANAREPRO
Die FullserviceDruckerei



LED UV printing machine printing a replica on aluminium composite material or artificial canvas.