

vitrics
inside
for life

A NEW INNOVATIVE PROCESS
FOR 3D ENGRAVING
INSIDE GLASS AND ACRYLIC



A UNIQUE PROCESS

The laser beam enters the glass, leaving the surface untouched, and focuses on a pre-determined point inside the glass. From here the laser is guided through the glass, creating thousands of micro-fractures.

The result is a true 3D engraving of the selected design inside the glass. A standard design is made up of millions of these micro-fractures. During the entire process the surface of the glass remains untouched.

MAIN BENEFITS

-Our method reproduces designs in true 3D: it is not just a visual effect.

-The micro fractures reflect light and when used with specific lighting, such as LED, create a stunning effect.

- The surface of the glass remains smooth and untouched so cleaning and maintenance is kept to a minimum.

-The process is unaffected by UV or any form of pollution and as a result will not fade, thus outlasting any other material/process.

In collaboration with designers and architects we recreate contemporary designs, and translate original ideas into 3 dimensions, engraving them into glass and acrylic.

We can provide all necessary support, in order to complete your projects, including:

- "customized sampling": for research and development of prototypes.
- 3D design modeling
- Lighting solutions.

TECHNICAL INFORMATION

The laser beam enters the glass, leaving the surface

Size of glass/ acrylic:

The Vitrics process can be used on float or laminated glass and also inside acrylic. Maximum dimensions: 3200X1430x97mm.

Technical Specifications:

We work from 3 different file formats:

- Jpeg and Tiff files
- Ai or eps files
- Cad files.

Pricing:

This is dependant on so many variables that it is not possible to give prices without specific project details. Please contact us to discuss this.



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