

# VITROLUX-UC v.3

## Laser systems for versatile subsurface engraving



Vitro Laser Solutions UG is the global leading developer, manufacturer and supplier of laser systems for various industrial application areas. Intensive research, permanent quality management and continuous enhancement of laser systems have established us on the international market. Our competence is based on long years of experience.

As world wide market leader for subsurface laser engraving we have set our attention on the quality and reliability of our hightech solutions. Vitro Laser Solutions UG is your strong partner combining forward-looking technology with efficient systems.

In the sector of the subsurface engraving the Vitro Laser Solutions UG, as only system manufacturer supplies all components from one hand. Due to our high vertical range of manufacture we are your specialist for all questions regarding technology, application consulting, system construction and after sales service.

### Subsurface laser engraving

With the subsurface laser engraving method the surface remains untouched. The desired marking is carried out inside the material, under the surface. Subsurface laser engravings can be made in all kinds of translucent materials e.g. glass, tempered or laminated glass, acrylic glass, ceramic glass, sapphire, polycarbonate etc.

# VITROLUX-UC v.3

## Laser systems for versatile subsurface engraving

### Technical Data:

<b>Laser:</b>	<i>Diode-pumped, air-cooled Nd:YVO<sub>4</sub> laser, wavelength 532 nm</i>
<b>Laser Speed:</b>	<i>5 kHz</i>
<b>Optics:</b>	<i>High-performance telecentric lens f=100</i>
<b>Machine:</b>	<i>Laser system acc. to safety category I, highly dynamic galvanometer scanner, temperature stabilized</i>
<b>Software/Hardware:</b>	<i>System control via VitroNC-software, Vitro plug-in for Rhino 3D for point cloud creations As a standard, the software is installed on a notebook. A tower-PC is available on request.</i>
<b>Working voltage:</b>	<i>230 V/50 Hz (others on request)</i>
<b>Dimensions:</b>	<i>600 x 750 x 600 mm (WxHxD), weight approx. 95 kg</i>
<b>Material size:</b>	<i>max. 300 x 300 x 100 mm (X-Y-Z) optimal 150 mm in Z</i>
<b>Size of processing area:</b>	<i>298 x 298 x 95 mm (X-Y-Z)</i>

Subject to technical changes

### VITROLUX-UC v.3

The perfect laser system for:

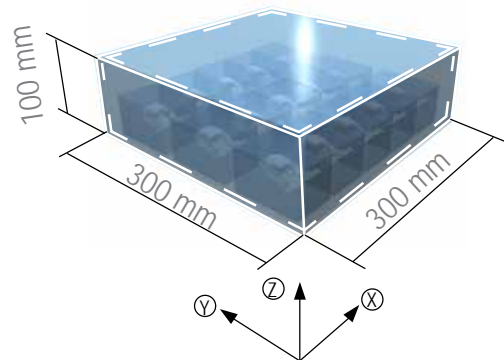
- + single part production
- + smallest serial production




- + portable use
- + compact design

### VITROLUX SYSTEMS

- + Worldwide leading in technology
- + Forward-looking systems
- + Reliable
- + Economical
- + High-performance
- + Quick
- + Maximum quality for your products

### Maximum material size and processing area



-  **Standard cube**  
50 x 80 x 50 mm (X-Y-Z)
-  **Maximum material size**  
300 x 300 x 100\* mm (X-Y-Z)
-  **Maximum processing area**  
298 x 298 mm (X-Y)  
Maximum processing depth  
95 mm (Z) from upper edge material