

SURFACE TEXTURING

Femtosecond technology allows for high-speed **texturing** through **ablation** (mm^3/s) at very high **resolution** (μm) without **deterioration** of the material in 2D and 3D. It is becoming essential for **precision** industries.

Did you know ?

Femtosecond lasers can also be used to create **nanometric** surfaces for **catalysis**, **light reflection** (absolute black), **tribology** (reducing friction and wear) and **aesthetics**.

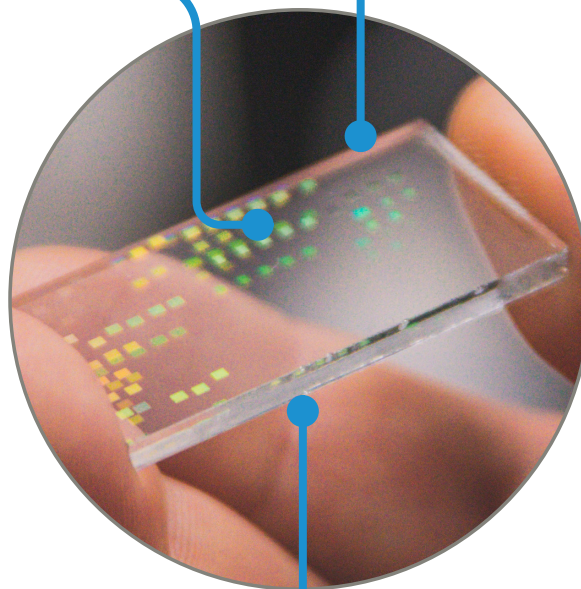


Functional glass

Glass

Surface functionalisation

- Hydrophilic
- Hydrophobic
- Self-cleaning
- Embellishment
- Adhesion
- Solder preparation...



- Gorilla
- Aluminosilicate
- Borosilicate
- Fused Silica
- Lotus XNT...

Surface texturing involves creating micro- and nanometric structures in a material to modify the functional properties of the surface.

Additional treatments

- Polishing
- Etching
- Surfacing

Business sectors :

Energy



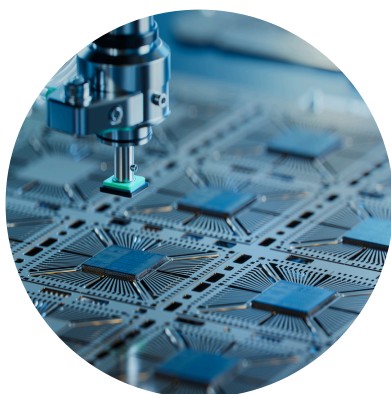
Aerospace



Optics



Electronics



Luxury goods



Transport



Our other applications :

- Selective ablation of thin films
- Cutting
- Etching

