

ABLATION OF THIN LAYERS

Femtosecond technology enables **selective ablation** of one or more layers of a **multi-material** part at high speed (mm³/s) and very high resolution (<1 µm). It is crucial for applications in **microelectronics**, **hydrogen**, and **aerospace**.

Did you know ?

Femtosecond laser ablation of thin films (or **decoating**) allows the **selective etching** of a layer on its substrate without **delamination**, **burrs** or **micro-cracks**.

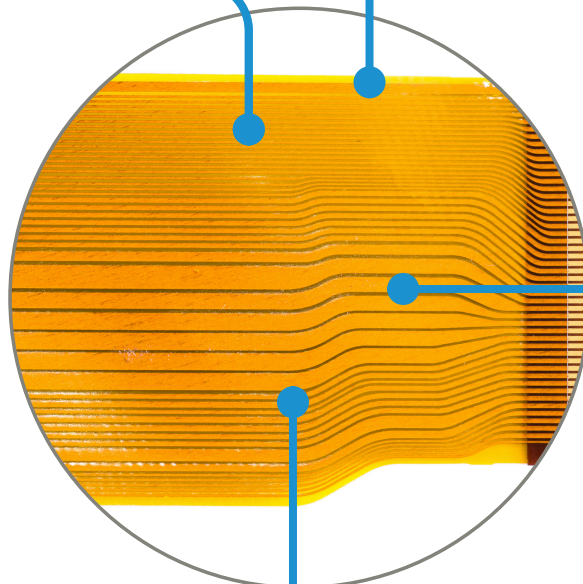


Kapton

Polyamide film

PVD material coating

Graphene
Gold
Copper
Aluminium ...



Benefits

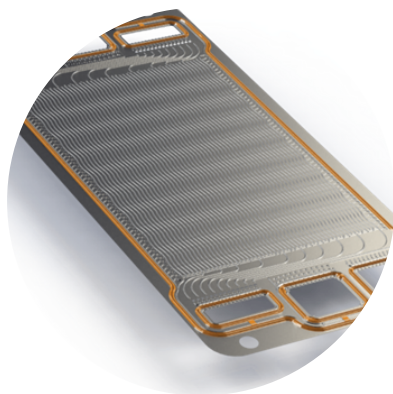
No alteration
Extreme precision
Improved conductivity

Laser ablation allows the precise removal of the metallised layer without affecting the underlying layers.

Ablation of the metallised layer

Business sectors :

Hydrogen



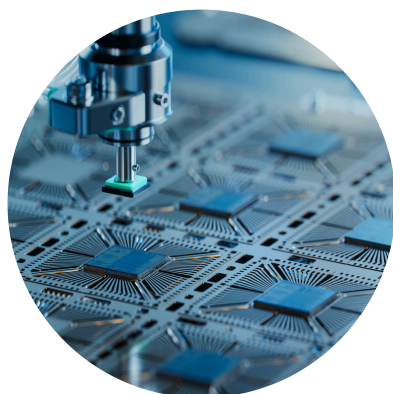
Aeronautics



Optics



Electronics



Medical



Transport



Our other applications :

- Surface texturing
- Cutting
- Etching

