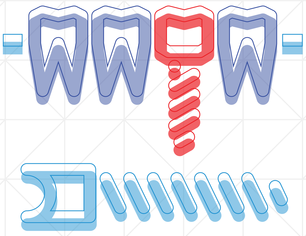
Laser4surf

NANO PATTERNS

FOR INDUSTRIAL APPLICATIONS

- Bringing Laser Induced Periodic Surface Structures (LIPSS) to **mass production**.
- Developing an easy to handle **all in one machine** comprising a laser texturing device, an in-line monitoring system and simulation tools.

APPLICATIONS

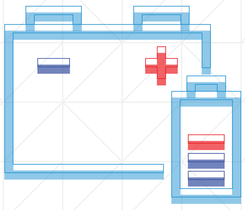


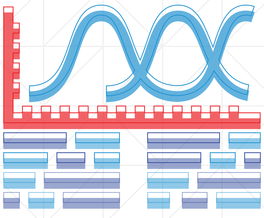
MEDICAL COMPONENTS

Antibacterial properties against mouth infections along with a surface enabling a good biological response by the surrounding tissues will deliver the **new generation of dental implants**.

ADVANCED BATTERIES

Enhanced adhesion and roughening of the current collector will allow controlled changes in the current collector surface in a **very cost-effective and fast way (0.1 min/cm^2)**.
It will also **improve the electrochemical properties** of battery current collectors.





LINEAR ENCODERS

Tuning the reflection properties on the scale will make the encoder **less prone to misalignments.**

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This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement N°768636.