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LAMPASeuH2020



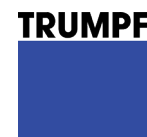
LAMPAS H2020 Project

www.lampas.eu

Research organisation



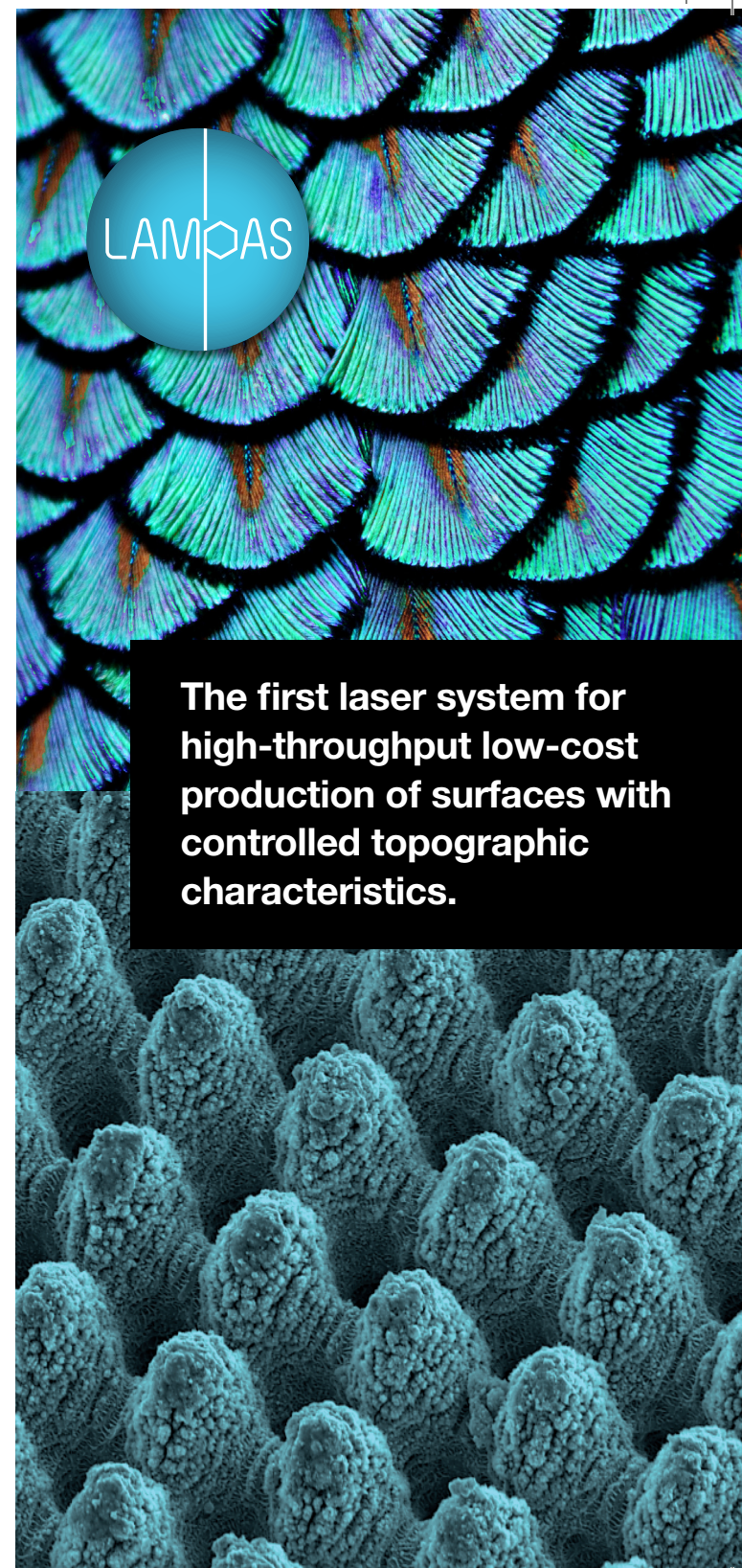
Technology providers



End-users

B/S/H/

Dissemination





What is LAMPAS

LAMPAS develops a new laser system to ramp up the production of functionalized surfaces for consumer and industry markets. LAMPAS system integrates a high-power ultrashort laser source, new beam delivery concepts, together with interference patterning optics and real-time monitoring systems.

Applications



Anti finger print



Decorative



Easy-to-clean



Anti bacteria

Markets

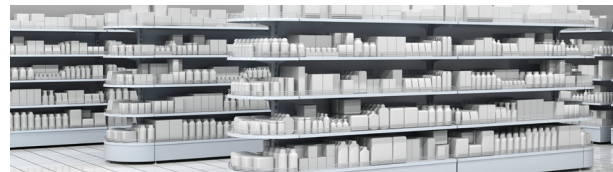
Pharmaceutical (packaging)



Food (packaging)



Consumer market



Benefits

LAMPAS will significantly increase the potential of laser structuring for the design of newly functionalized surfaces by enhancing the efficiency, flexibility and productivity of the process based on the development of a high power ultra-short laser system as well as strategies and concepts for beam delivery.

- ▶ High-throughput (m²/min)
- ▶ Low-cost
- ▶ Improved level of productivity (at least 10 times faster) to drastically reduce the processing cost per part
- ▶ Development of a new generation of products with novel functionalities