

## CERAMARET SA

### Short description:

Ceramaret designs and manufactures precision components from ultra-hard materials such as advanced ceramics (zirconia, alumina, silicon carbide and silicon nitride) as well as synthetic sapphire and ruby. The company has state-of-the-art machinery and equipment, and rigorous standards for quality following the all stages of product development, from prototype engineering to the mass production of high-precision advanced ceramic parts. The main applications of produced components could be found in fluid-handling, medical, automotive and industrial, watch making, polishing, electronics and ICT. All applications take advantage from the unique properties of ceramic materials: excellent resistance to wear, heat, pressure, and chemical attack (gas and liquid), extreme hardness, excellent electrical insulation, exceptional tribological properties, low specific weight.

Ceramaret guarantees the quality of all its products as well as health and safety compliance as set out in ISO 9001 : 2008, ISO 14001 : 2004, OHSAS 18001 : 2007 and ISO 13485 : 2012.

### Partnership / cooperation possibilities:

The company is primarily looking for new partnerships with new applications, which could provide technologies and processes for improved productivity and efficiency of internal processes. Primarily the growth is expected in the medical market (e.g. IVD, pistons, valves, implants, fully ceramic dental implants). Next applications could be in electronics, wear resistant parts for automotive or bearings used in energy generation, hydrogen storage, sensors, actuators, filters or for creative industry (jewelry).

### Possible H2020 calls (2018-2020):

DT-NMBP-01-2018:	Open Innovation Hubs for Lightweight nano-enabled multifunctional materials and components (IA)
DT-NMBP-09-2018:	Accelerating the uptake of materials modelling software (IA)
NMBP-22-2018:	Osteo-articular tissues regeneration (RIA)
CE-NMBP-26-2018:	Smart plastic materials with intelligent recycling properties by design (RIA)
DT-NMBP-03-2019:	Open Innovation Hubs for nano-enabled surfaces and membranes (IA)
DT-NMBP-19-2019:	Advanced materials for additive manufacturing (IA)
LC-NMBP-32-2019:	Smart materials, systems and structures for energy harvesting (RIA)
DT-FoF-07-2020:	Reliable and accurate assembly of micro parts (RIA)
NMBP-21-2020:	Custom-made biological scaffolds for specific tissue regeneration and repair (RIA)

### Contacts:

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