



Engineering better ceramics to your specific needs.



Invitation

We believe that in business, communication is everything. That's why we have a multitude of open channels, to give you more choice and better interact with you. We invite you to communicate with us. We are glad to hear from you. Tell us your needs, and we will find a solution together with you, without commitment.

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We deliver advanced ceramic solutions for the most demanding applications, tailored to your very specific needs.

Passion fuels innovation

Passion, know-how, imagination and collaboration allow us to continuously offer innovative material solutions. We like challenges. We are always tinkering with products and processes, always on the lookout for better. Our philosophy, company culture, or simply the way we do things makes our products stand out. From the heart of Europe, Switzerland, we deliver high performance cellular ceramics since 1998.

Striving to reach the goal, together

Since the first silicon carbide foam was produced, we focus on the development of customer and application specific products to satisfy every operating condition. We recognize that every application operates at different conditions and that every end-user has its own definition of performance and lifespan. Our partnership approach allow us to deliver products that enable you to achieve your goals.

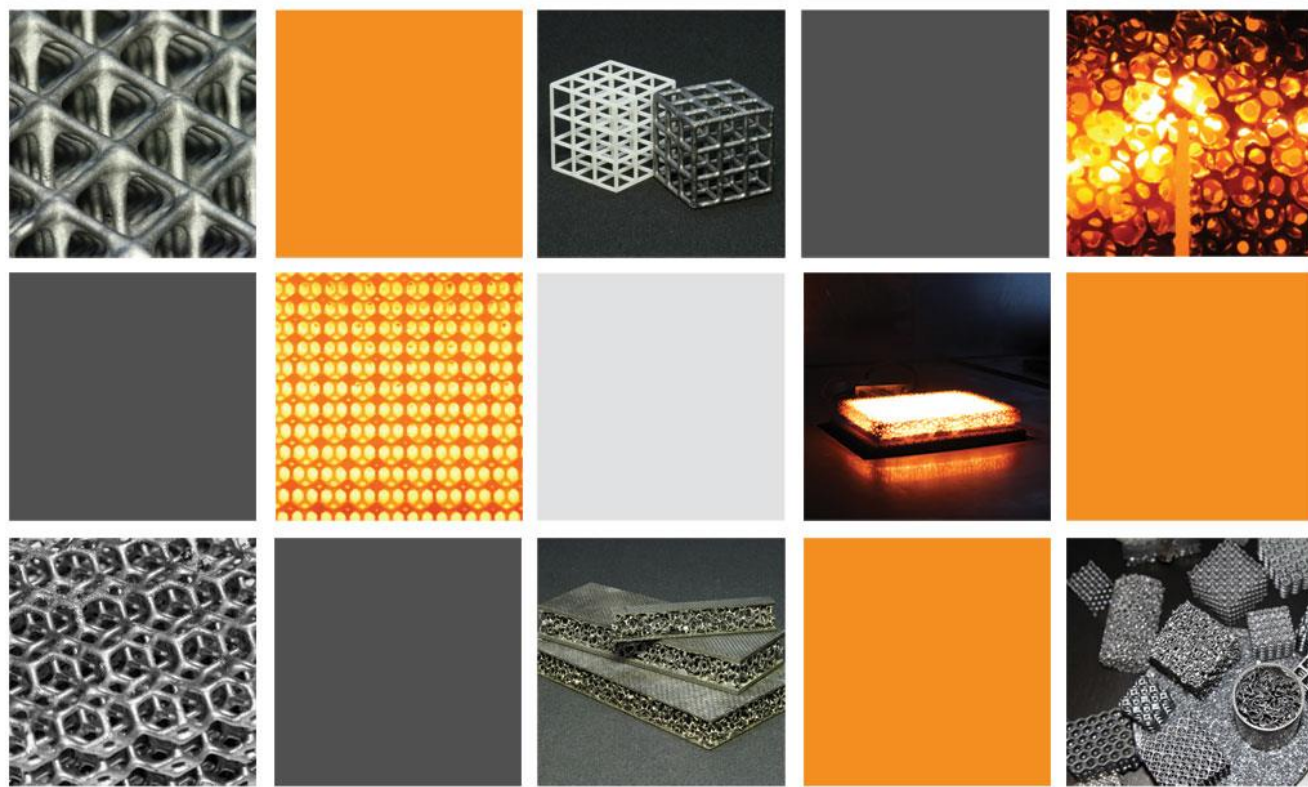
Engineering

There are situations in which the products you are looking for simply don't exist. Whether for new applications or to increase the performance of existing systems, the market isn't always ready to answer your challenge. For this reason, we offer cellular structure engineering. Through product design and digital optimization, we provide our partners with exactly what they want.

Applications

High temperature and harsh environment are only two of many situations where our products are employed. Thanks to the exceptional properties of our SiC cellular structures, we deliver products to many industries at a global level.

- > Porous media combustion
- > Catalyst support
- > High temperature structural material
- > Heat exchanger
- > Reforming ceramics
- > Concentrated solar radiation absorber
- > Thermal protection system
- > Post combustion media



Materials

Silicon carbide has exceptional properties. Chemical inertness at all temperatures, high thermal conductivity, light weight, and wear resistance are some of the reasons SiC is used for applications up to 1400°C. Our fully dense silicon carbide (Si-infiltrated) is the base material for all of our products, guaranteeing what industry is most concerned about: high performance and long lifespan.

Product portfolio

- > Foams, filament ceramics, and lattices are the basic cellular structures we manufacture. But give us any geometry or cell morphology, as a template or simply as a digital file, and we transform it to silicon carbide.
- > Sandwich structures and cellular tube ceramics with skins made of CMCs (SiC_x/SiC and C_x/SiC) or any other material of choice.
- > Hierarchical structures combine the properties of different materials, like our SiC lattices filled with refractory fibers for high temperature structural materials.

