



FCT SYSTEME: YOUR PARTNER FOR HIGH-TEMPERATURE PLANTS AND TECHNOLOGIES FOR TECHNICAL CERAMICS

KESSEL
QUALITY

OUR COMPANY

At our Frankenblick location – situated in South Thuringia – we at FCT Systeme GmbH design and produce high-temperature plants for the production of modern high-performance materials such as technical ceramics, powder metallurgy materials and composites on the basis of more than 30 years of experience.

Our company, FCT Systeme GmbH, was founded in 1982 as KCE Sondermaschinen GmbH with the goal of supplying the engineered ceramics industry with market-ready production plants and process know-how for new ceramic high-performance materials. We continue to operate today according to this tradition.

Not only are we the leading manufacturer for hot-pressing, gas pressure sintering furnaces, SPS/FAST plants and high-temperature vacuum sintering furnaces, we are also a competent technological partner for demanding system solutions.

RESEARCH AND DEVELOPMENT

Substantial investment in research and development is our recipe for success. We consider the consistent updating of proven concepts to be just as important as the development of new plant types, particularly in consideration of improvements in efficiency. In close collaboration with academic institutions, research and development departments and producers and users of high-performance ceramics and powder metallurgy, we have had the ability to conduct numerous research and development projects.



1. FCT Systeme: A strong brand stands for quality and trust.
2. The name Kessel: Our quality promise (left Tobias Kessel, Managing Director of Technology & Development; right Heinz U. Kessel, Partner of FCT Systeme)
3. Our technology centre is available to our customers worldwide.
4. Every detail is important for ensuring the guaranteed performance of our plants.

TECHNOLOGY CENTRE

Our employees live and breath continuous improvement and development of innovative plant concepts and sintering processes in our in-house technology centre. We offer our project partners from industry and research the opportunity to work with us and use our shared knowledge in a trusting collaboration. The efficient production of ceramic components takes place in internally developed sintering plants that are optimally adapted for each customer. Our customers have an outstanding technology centre and our highly specialized experts at their disposal, even on an industrial scale.

INNOVATION AND RELIABILITY

The plants which we provide are designed and produced according to the state-of-the-art. It is important for us that all the constructive work, whether mechanical or electrical, is provided by us locally. Only in this manner we are capable of implementing the special requests of our customers as special custom plants.

Thanks to our committed employees and on the basis of international collaborations, we remain your reliable partner for high-temperature plants and technologies for technical ceramics.

