

REALIZE YOUR VISION

SERVICE PORTFOLIO

ARE YOU MISSING THE RIGHT EQUIPMENT FOR YOUR PROJECT IDEA?

WOULD THE APPLICATION KNOW-HOW OF AN EXPERIENCED PROJECT PARTNER HELP YOU?

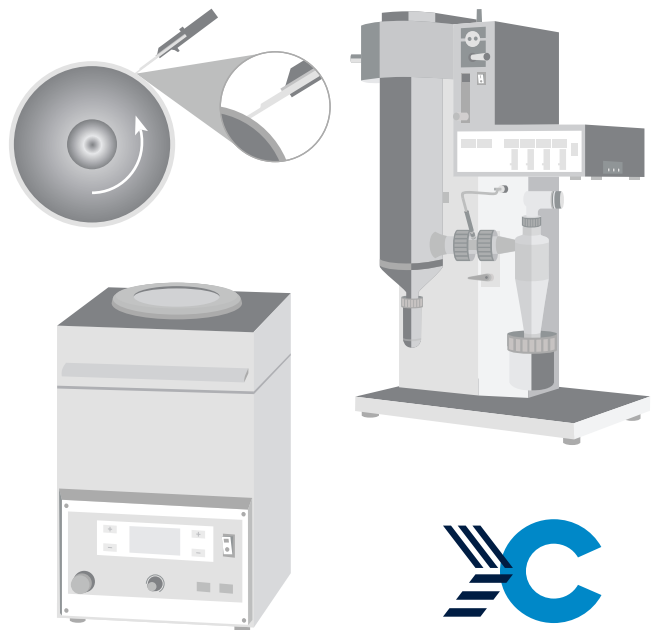
DO YOU WANT TO CARRY OUT A SECONDARY CHECK?

DO YOU NEED HELP WITH A FAILURE ANALYSIS?

As an experienced project partner, we will actively assist you in our Service Center in Dinslaken with a variety of suitable equipment – no matter where in the process chain you need support. Our experience in dealing with the equipment and various measuring techniques enables us to find a tailor-made solution together.

/// Formulation development for all forming processes

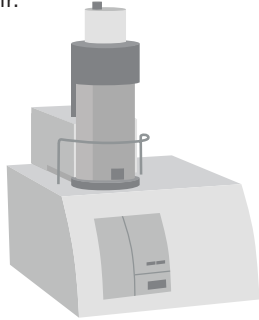
We have a wide variety of technical tools such as kneaders, high-speed mixers, shear rollers, extruders and many other tools for developing formulations.



KRAHN
CERAMICS

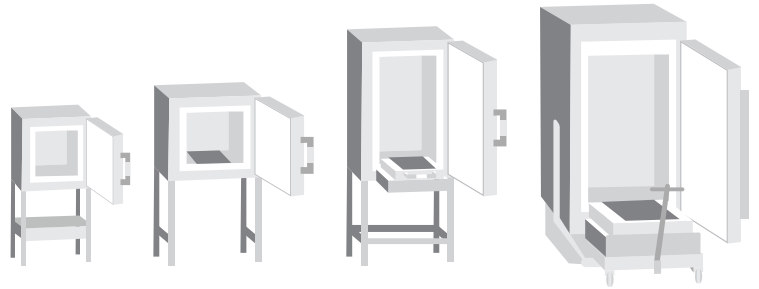
/// Measuring technology (material characterization)

The Technical Center offers a variety of test methods for characterizing product properties, e.g., thermogravimetric analysis (TGA) and differential scanning calorimetry (DSC). Tests can be carried out using nitrogen, vacuum and air.



/// Sintering technology

Appropriate debinding furnaces are available in the Technical Center for developing the thermal debinding process for our binder systems. The final sintering of the components takes place in our sintering furnaces at up to 1700°C.



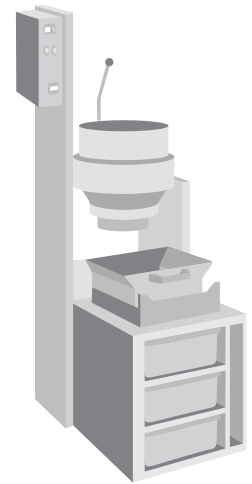
/// Injection molding technology (CIM/MIM)

The development of a suitable injection molding process takes place on our injection molding machines from renowned manufacturers. The optimum injection molding parameters can be determined as part of the test series, and prototypes can be produced to evaluate the component quality.



/// Surface finishing

In order to achieve the desired surface effects, we draw on the surface finishing technology of our partner OTEC.



WHO IS KRAHN CERAMICS?

We accompany innovators and product developers in shaping the product world of tomorrow. In doing so, we create scope for creativity, inspire developers with new perspectives and transcend borders.

KRAHN Ceramics acts as an innovative project partner and source of inspiration for processing ceramic and metal powders. We accompany our customers from raw materials to finished components across all process stages. Our portfolio consists of both ceramic and metal-based materials as well as all associated processing steps. This includes powders and binders, processing and forming processes, debinding and sintering as well as surface treatment.

Our site in Dinslaken is equipped with an in-house technical center. Here we develop ceramic and metal solutions together with our customers, such as formulations for all conventional forming processes.

In addition, we offer our customers a comprehensive service from customer advice to laboratory service and tailor-made product development to small-batch production.

We operate worldwide and, as part of the Otto Krahn Group, have strong structures and a comprehensive network in Europe, Asia and the USA.

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Any information given on the chemical and physical characteristics of the products supplied by us, including, without limitation, technical advice on applications, whether verbally, in writing or by testing the product, is given to the best of our knowledge and in good faith and does not exempt the customer from carrying out their own investigations and tests in order to ascertain the product's specific suitability for the purpose intended. The customer is solely responsible for confirming the suitability of the product for a particular application, its utilization and processing and must observe any applicable laws and government regulations. No express or implied recommendation or warranty is given with regard to the suitability of the product for a particular application. At all times, our standard terms and conditions of sale apply.

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