

OUR MATERIAL AND PROCESS EXPERTISE YOUR COMPETITIVE ADVANTAGE

Contact us

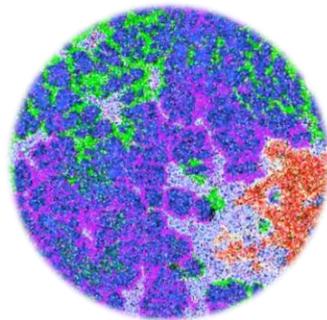


Photo: ExOne

Your R&D service provider for

Metal

Metal-ceramic

Ceramic



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WZR
ceramic solutions

MATERIAL EXTRUSION DEVELOPMENT
KNOWLEDGE 3D PRINTING METAL
OPTIMISATION
BINDER JETTING MATERIAL ANALYSIS
MULTI-MATERIAL

Research and development for your application



”

New design possibilities

The **developments** in the field of 3D printing applications have made enormous strides in recent years. There are a **variety of methods** that represent the ideal solution for your problem. We accompany you **from the idea to the finished implementation.**

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Dr. Wolfgang Kollenberg
CEO WZR ceramic solutions

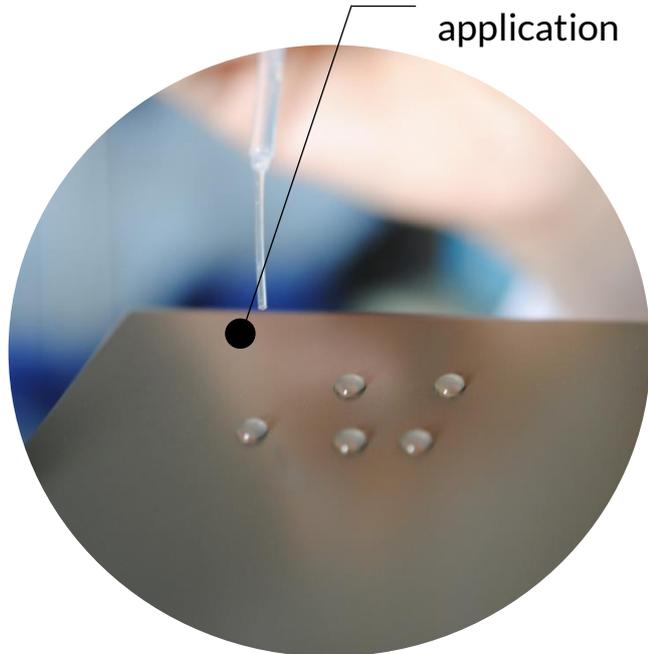


Accompanying the entire development process

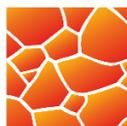
Integrating new ideas into existing systems is our strength. We discuss your request together, develop ideas with you, show potential applications and various techniques such as binder jetting, material extrusion or screen printing.

We proceed scientifically, systematically and according to process-accompanying quality assurance measures in order to obtain comparable and reproducible results. We start with the selection of raw materials and span the spectrum from analysis to finished components.

New products for your application



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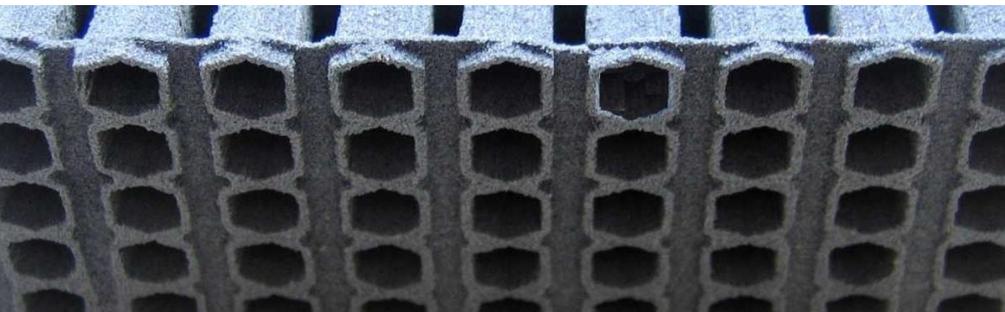
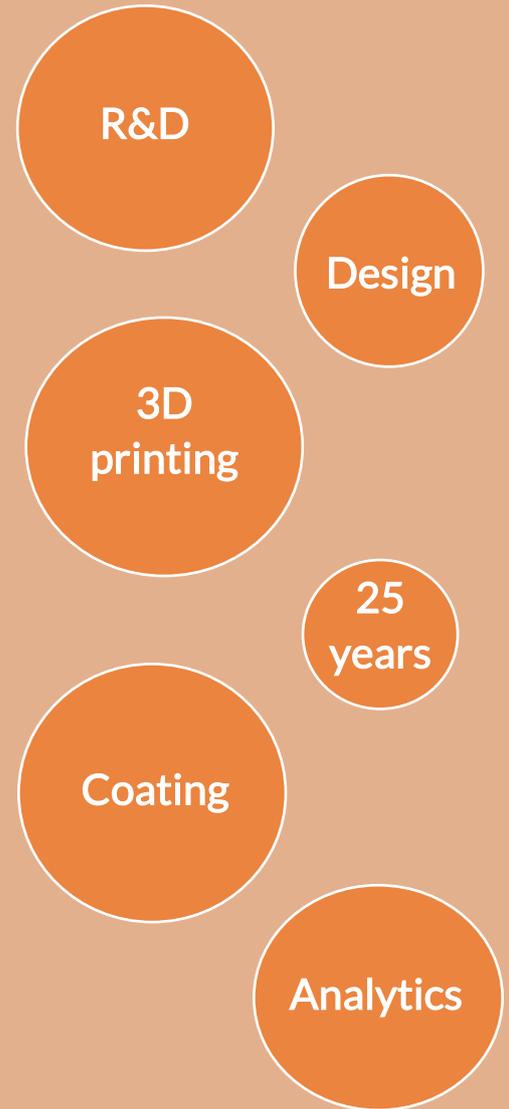
In-process analysis and quality assurance

The achievement of **knowledge** and its correct interpretation play a **central role** in modern development. We use standardized test procedures for this. These enable statements for the application and thus form the **key points of progress**.

To do this, we make use of a large number of **test options** that show the variants in an **individually tailored** manner. The aim of the development is an optimized Result for your process.

Here, the repeatability and the transferability to the later application also play a central role for you.

These are guaranteed by a close-knit **quality management system** and are permanently under control.



Application areas:

-  **New materials:**
Selection and development of suitable materials for the application
-  **Changed design:**
In 3D printing, the application determines the shape - not the manufacturing process
-  **Ceramic coatings:**
Improvement of the properties of existing components



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STRENGTHS

Why you will benefit from us:

-  Many years of experience in the development of mixtures for innovative applications
-  Experience in 3D printing, coating and analytics
-  Observation of material properties with advanced analytical equipment

PERFORMANCES

Our services:

-  Optimisation of component properties by 3D printing
-  Development of novel materials
-  Development from the idea to the implementation



CERAMICS and METALS?

„We shape the future of ceramics“. This principle has guided us for a number of years. With constant further development and customer contact, we realized that that alone is not enough. 3D printing offers the possibility of combining different materials in order to develop other properties in designs that have not been possible until now.

Since then we have been following the path in the same direction but with an expanded scope. Thus, new process developments are once again available to innovative possibilities.



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