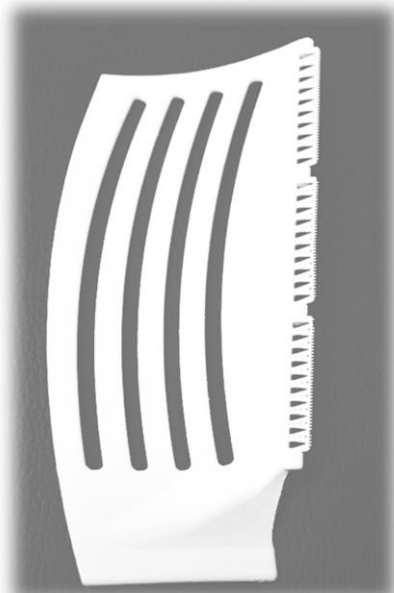
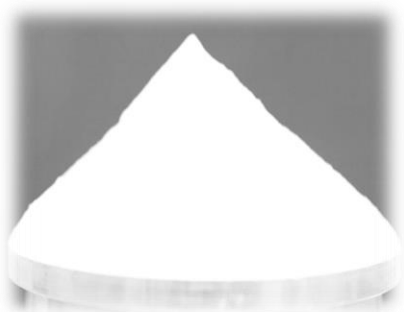


OUR MATERIAL AND PROCESS EXPERTISE YOUR COMPETITIVE ADVANTAGE

Contact us



ADDITIVE MANUFACTURING

Optimisation of
component
properties

Development of
novel materials

Realisation of
multi-material
structures



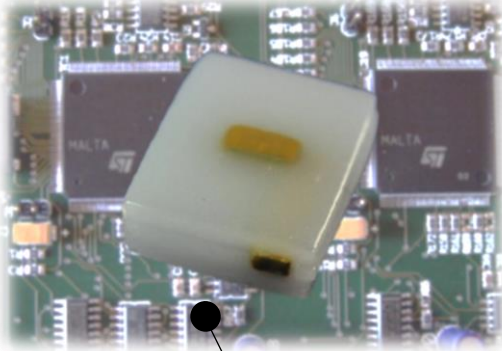
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WZR
ceramic solutions

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

New components for innovative applications by 3D printing



In addition to the **geometric freedom** of 3D printing, the option of **modifying or combining materials on a microscopic level** opens up the opportunity for completely new products. No other process enables the **local modification** and exact adaption of a structure to the specific requirements of a component.



Dr. Dieter Nikolay
CTO, WZR ceramic solutions



3D-Electronics

Additive Manufacturing / 3D-Printing

The term additive describes the basic principle of all these processes: the layer-by-layer structure of the parts. Today, the term **3D printing** has also become synonymous to additive manufacturing.

Due to our many years of experience, we can offer the complete process from material **development**, process development, to the finished 3D-printed component.

No matter if **material and process** development or direct manufacturing of desired components from our standard materials – we have the **know-how** and the individual **solutions** for you.



Joong Youn Cho

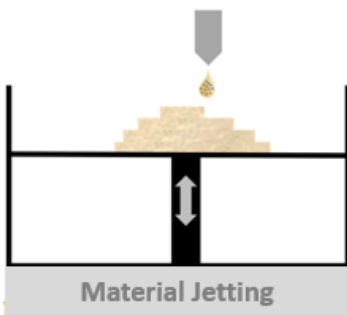
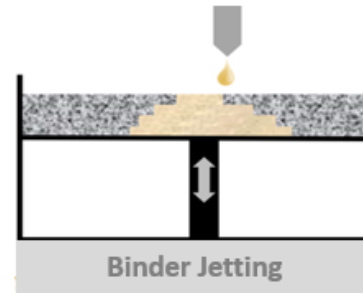
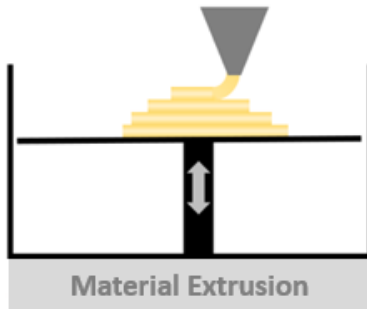


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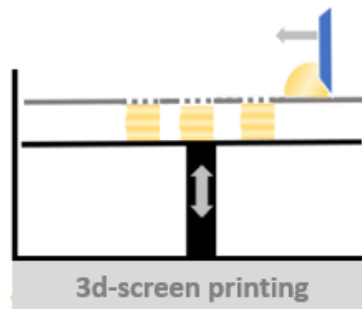
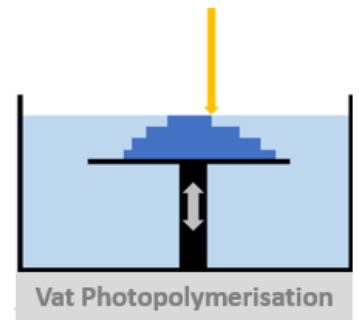
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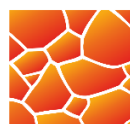
SERVICE:

From the range of available processes, we will find the **right one for your application** and thus help you to realize your innovative ideas.




How additive manufacturing improves product development and production processes:


-  **Geometric freedom:**
No restrictions on creativity due to process-related restrictions
-  **Material-efficient and resource-saving:**
Only material that is contained in the component is consumed
-  **Time and cost advantages:**
No tooling, direct shaping from CAD




STRENGTHS

Why you will benefit from us:


 Many years of experience in the field of additive manufacturing


 Extensive material and process knowledge

 Observation of material properties with advanced analytical equipment

PERFORMANCES

Our services:

 Optimisation of component properties by 3D printing

 Development of novel materials

 Realisation of multi-material structures



We make the future of CERAMICS & METALS

The key motivation of WZR ceramic solutions is to enable innovative processes and products for our customers. Our engineers are constantly checking ceramics, while also printing and coating with ceramics by using advanced knowledge and machinery, which builds the foundation to open a path to another relevant material: **Metal**. Due to our experience in ceramic 3D printing, we were able to realise the transition to metallic 3D printing by using binder jetting and material extrusion within a short period of time. We invite you to benefit from our expertise in process and material development.



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