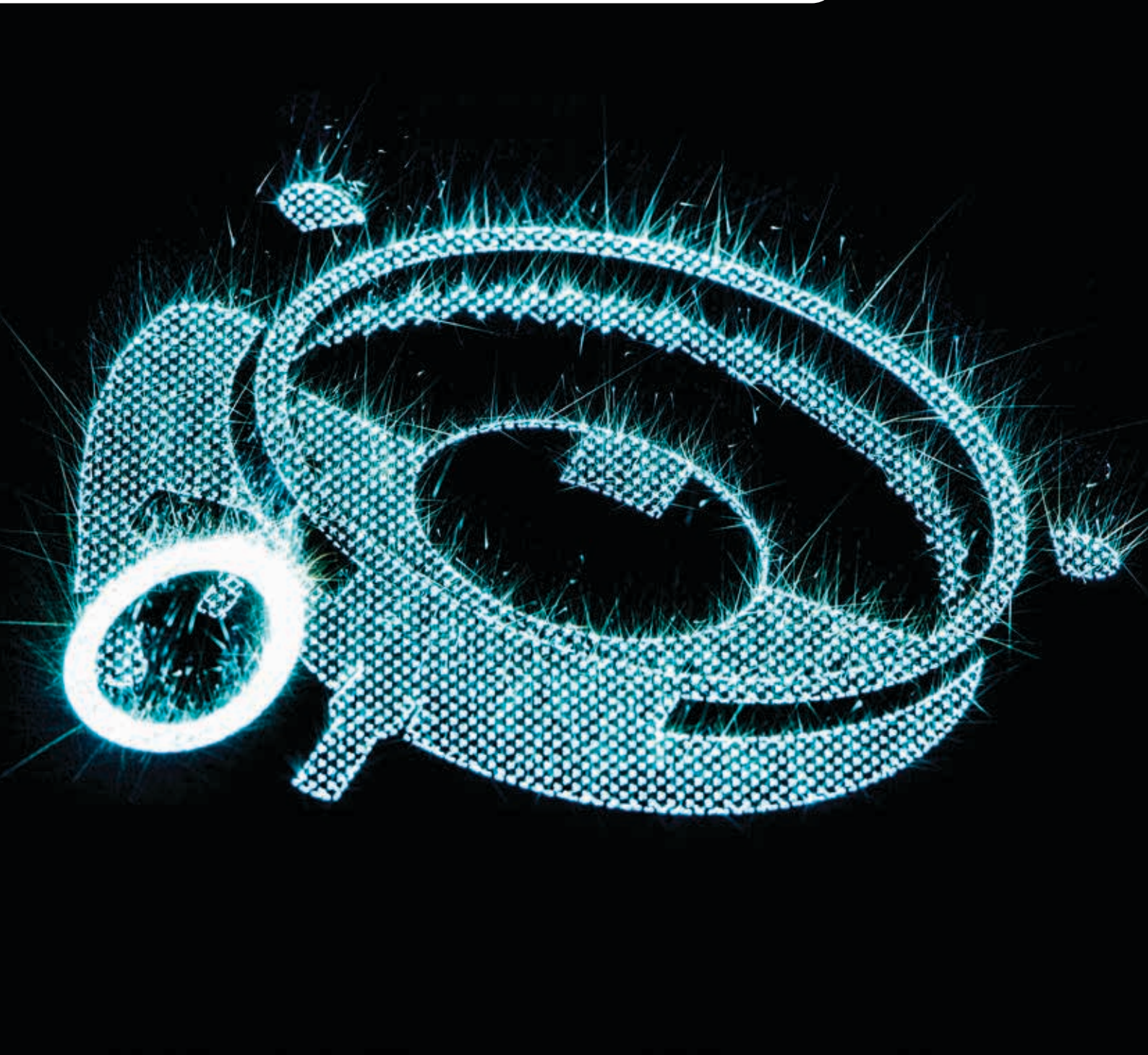


## **3D Printing** for Complex Components



## Additive manufacturing for customised solutions

Where complex geometric shapes such as hollow bodies, undercuts, bionic structures or lattices are involved, conventional manufacturing processes soon reach the limits of feasibility. Providing components quickly or producing parts in small quantities is often uneconomical using conventional methods. For tasks of this kind, innovative 3D printing technology is the right choice.

Once a component has been redesigned, production can begin. Based on specifications in a data record, a laser melts metal powder onto a baseplate, creating components layer by layer.

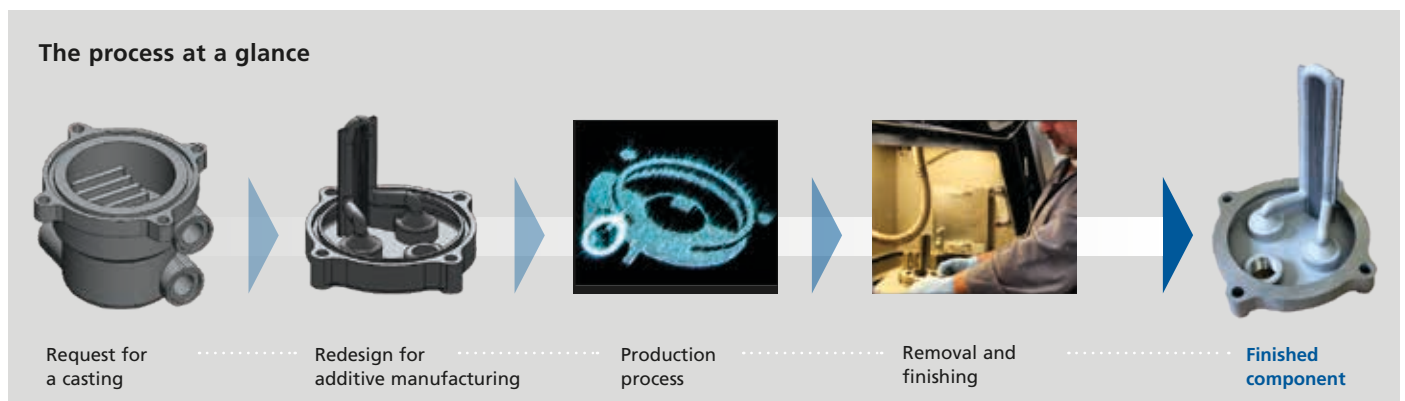
Specific expertise and extensive experience with materials are necessary to ensure that the “printouts” are of the same quality as traditionally manufactured components.

KSB has its own accredited materials laboratory and experienced specialists, ensuring compliance with quality assurance requirements.

## Totally new design and manufacturing options

### Fast delivery of complex components

Our production range comprises impellers, add-on parts, diffuser vanes, delicate small parts, sealing element components, prototypes, valve components, parts subject to quality inspection and testing, mechanical-technological and analytic test specimens.





### Services provided:

- Reconstruction of components
- Optimisation for the specific production process or tailoring to customer requirements
- Production of components – including single parts
- Quality assurance
- Compatibility checks and advice on additive manufacturing

### Benefits:

- Fast delivery of complex components
- Quality assurance thanks to extensive materials expertise
- Expert partner for all aspects of additive manufacturing



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