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Press Release AMAREA Technology

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AMAREA Technology wins TCT Award 2026 for MMJ ProX-Series

Award for multi-material 3D printing platform for non-polymer high-performance materials

- AMAREA Technology wins the **TCT Award 2026** in the category *Hardware – Non-Polymer Systems* at RAPID + TCT in Boston
- The **MMJ ProX-Series** enables processing of up to six materials within a single component in one build
- Drop-based manufacturing allows precise control of individual material points for functional gradients and integrated functions
- Collaboration with **Fraunhofer IKTS** and **esmo AG** as key partners for material development, thermal processing, and industrial implementation

AMAREA Technology GmbH has been awarded the prestigious **TCT Award 2026 in the category “Hardware – Non-Polymer Systems”** at RAPID + TCT in Boston, USA. The award recognizes the **MMJ ProX-Series**, a multi-material 3D printing platform for the additive manufacturing of functional high-performance components made from metals, ceramics, glasses, and composites.

The TCT Awards are among the most respected honors in additive manufacturing, recognizing innovations with proven industrial impact. This award highlights the technological relevance of MMJ technology for industrial production of complex, functionally integrated components.

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In a highly competitive field, AMAREA Technology prevailed against solutions such as the *Carmel Multi-Material Inkjet platform from XJet*, the *M4 ONYX from EOS*, the *MetalFab 420K from Additive Industries*, the *LAPIS Hybrid Metal AM system from Lapis Metal*, and the *ATO SPARQ system from 3D Lab*.

The MMJ ProX-Series is based on a drop-based Multi Material Jetting process, in which highly filled feedstocks containing metal, ceramic, or composite powders are precisely deposited layer by layer. By enabling the combination of up to six materials within a single component – both within individual layers and across layers – the system allows the realization of functional gradients, integrated functions, and complex internal structures. This is made possible by droplet-based material deposition, where each individual droplet can be precisely controlled.

“The TCT Award is a strong validation of our technological approach and the work of our entire team,” says **Steven Weingarten, CEO of AMAREA Technology GmbH**. “We see this as an important step in bringing multi-material 3D printing from niche applications into industrial use, while strengthening our international visibility and positioning high-tech ‘Made in Germany’ on a global level.”

The development of the MMJ ProX-Series was carried out in close collaboration with strong partners. The MMJ technology was originally developed by the founders at **Fraunhofer IKTS in Dresden**, and this partnership continues today, particularly in material development and thermal post-processing. **esmo AG** supports AMAREA Technology as a partner for mechanical integration and industrial system manufacturing. These collaborations form the basis for the scalability and industrial maturity of the MMJ technology.

With the MMJ ProX-Series, AMAREA Technology is opening new application fields in industries such as medical technology, semiconductor manufacturing, aerospace, jewelry, and precision instrumentation. The ability to combine different materials within a single build process enables the production of functionalized components with enhanced properties while reducing resource consumption, as material is only deposited where it is needed.

About AMAREA Technology

AMAREA Technology GmbH is a technology company based in Dresden, Germany, founded in 2023. The company specializes in the development and manufacturing of industrial multi-material additive manufacturing systems and related materials. AMAREA develops innovative solutions for processing high-performance materials such as metals and ceramics and enables the production of complex, functionalized components in an integrated, resource-efficient manufacturing process.





Caption 1: Group photo of finalists and winners of the TCT Awards 2026 at RAPID + TCT in Boston, bringing together leading companies and innovators in additive manufacturing.





Caption 2: Steven Weingarten (CEO) and Robert Johne (CTO) of AMAREA Technology receiving the TCT Award 2026 in the category "Hardware – Non-Polymer Systems" for the MMJ ProX-Series.





Caption 3: TCT Hardware Award 2026 in the category "Non-Polymer Systems," awarded to AMAREA Technology for the MMJ ProX-Series.

