



Press Release

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Next level of 3D printing solutions for automotive and healthcare industries

GENERA and Henkel collaborate to further drive end-use production in additive manufacturing

Düsseldorf, Germany – GENERA recently joined Henkel's Open Materials Platform with the intention of providing additive manufacturing solutions at production scale. Both companies, working collaboratively, are combining their respective areas of focus to create the next level of solutions for automotive and healthcare industries. Combining GENERA's expertise in 3D printing equipment and software and Henkel's innovative expertise in materials the companies are creating new applications in the automotive industry and more.

GENERA's unique G2/F2-System for digital light processing (DLP) creates a safe, reproducible, and comprehensive process for production of 3D models at speed. GENERA's fully integrated process enables a 3D printed part to move from the green state to the finished part using the G2/F2 systems delivering a clean, safe, and simple route to finished parts. Parts printed in the G2 are stored in what is called the 'shuttle' which allows the safe transfer of parts to the finishing unit F2. An additional feature of this shuttle is a memory chip where all the data of the workflow including the post processing data of the part is stored. This feature ensures full documentation of the production process harmonizing printing, washing and post-curing. This is a significant important feature in industries like automotive and healthcare where quality control and part reliability and reproducibility are critical.

"We are excited to work with GENERA to develop applications that have the potential to impact several sectors," says Sam Bail, Head of Sales for 3D Printing at Henkel. "Our goal with additive manufacturing is to drive production at scale and we believe that by collaborating with the ideal ecosystem partner the Loctite 3D printing materials will become a significant enabler."

A recent example of where GENERA's fully integrated process and the Loctite 3D elastomeric photopolymer range solved a design challenge was in the fabrication of seat parts. KTM-E Technologies approached GENERA with the need to design and manufacture prototype parts with elastic materials to create seats containing a functional lattice structure. Many industrial 3D printers could not produce the prototype parts with the quality and standards that are required for further series production. The GENERA printer stood out, in combination with Loctite 3D 8195. "Additive Manufacturing is and will be a key technology in manufacturing, not only for prototype parts but also for serial production," says Florian Fischer, Project Lead for Additive Manufacturing at KTM E-Technologies. "GENERA's 3D printing system helps us to find better solutions for the mobility of the future."

To find out more about this interesting application creating 3D printed seat parts please visit <https://genera3d.com/>.

Moving forward, Henkel and GENERA plan to expand the portfolio of materials that can be used on the Genera printer. "We are very happy to expand our material portfolio to greater than ten Loctite 3D printing resins, serving several market applications, which have been validated on our G2/F2 System," says Dr. Klaus-Peter Stadlmann, CEO and Founder of GENERA Printer GmbH. "Partnerships like the one with Henkel will drive the adoption of DLP based 3d-printing for serial production and will finally fulfil the promise of 3d-printing."

About Henkel

Henkel operates globally with a well-balanced and diversified portfolio. The company holds leading positions with its three business units in both industrial and consumer businesses thanks to strong brands, innovations and technologies. Henkel Adhesive Technologies is the global leader in the adhesives market – across all industry segments worldwide. In its Laundry & Home Care and Beauty Care businesses, Henkel holds leading positions in many markets and categories around the world. Founded in 1876, Henkel looks back on more than 140 years of success. In 2020, Henkel reported sales of more than 19 billion euros and adjusted operating profit of about 2.6 billion euros. Henkel employs about 53,000 people globally – a passionate and highly diverse team, united by a strong company culture, a common purpose to create sustainable value, and shared values. As a recognized leader in sustainability, Henkel holds top positions in many international indices and rankings. Henkel's preferred shares are listed in the German stock index DAX. For more information, please visit www.henkel.com.

About GENERA

GENERA is a start-up company based in Vienna, Austria, with the goal to deliver on the promises that 3D printing has made for many years: reliable, clean and fast production creating room for all your ideas. That is our vision, creation made reliable. We strongly believe that additive manufacturing needs to be a comprehensive process, from setup to the final result. Only when all steps are harmonized, the end products can be exceptional. In the past, users were left with this delicate coordination, that we aim to end: The GENERA process guarantees

repeatable results. We want to explain the unique GENERA process being open to as many materials as possible. This freedom, transparency and reliability will take your production to a new level. We know because we are users just like you. Please visit us on our homepage and register for an online live demo: <https://genera3d.com/online-live-demo/>.

About KTM E-Technologies GmbH

E-mobility power. Innovative lightweight. Whole new drive-systems. Three factors that KTM E-Technologies occupy every day in order to develop reliable and secure solutions and innovative possibilities. With a deep understanding of the entire vehicle, KTM E-Technologies' more than 120 highly qualified employees solve challenges in many industries – from the initial idea to series production. As a specialist for concept development, KTM E-Technologies GmbH specializes in e-mobility, high-performance and lightweight technologies. Around the team of experts that has brought the KTM X-BOW to the road, an e-mobility center for whole vehicle competence in the two-, three- and four-wheel sectors came alive. Light, reliable and transferable into series production – this know-how makes KTM E-Technologies a significant part of the PIERER Mobility AG and a valued partner for numerous major manufacturers and brands – even outside the mobility sector. Find out more about us on our website <https://www.ktm-etechologies.com/> and join us on LinkedIn!

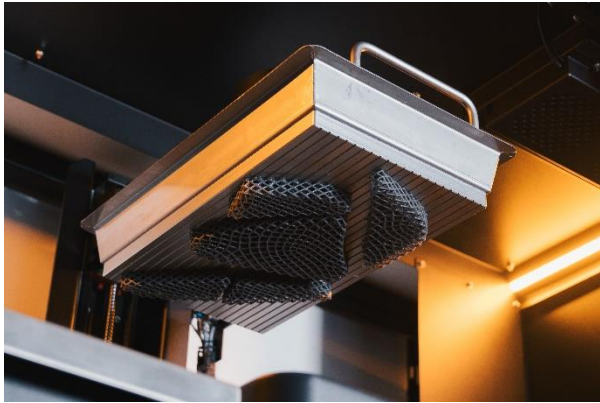
Photo material is available at www.henkel.com/press

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Henkel AG & Co. KGaA



GENERA collaborates with Henkel to align its technology such as the unique G2/F2-System for digital light processing (DLP) with Loctite's material expertise.



Functional lattice structure required by KTM-E Technologies for seat fabrication printed by GENERA in combination with Loctite 3D 8195.