



Press release

April 24, 2020

Collaboration to further fuel end-use production in additive manufacturing and announcement of new high-performance solution powered by Loctite

Nexa3D joins Henkel's Open Materials Platform

Düsseldorf – Nexa3D recently joined Henkel's Open Materials Platform with the goal of expanding the capabilities of its ultrafast production stereolithography technology. Together, the companies are combining their skills and expertise to further scale improvements in industrial additive manufacturing.

As a result, the companies are jointly announcing the availability of Nexa3D 3843-xABS Black. This unique formulation is specifically tuned for use with Nexa3D's flagship NXE400 3D printer and is based on Loctite 3843. This material offers significant elongation and outstanding flexural and tensile physical properties, while also providing high green strength and excellent heat deflection temperature.

These combined properties allow for very accurate prints on Nexa3D devices, making it ideal for a wide variety of applications including arms, levers and brackets, and other mechanical assemblies used in robotics, automation machinery and manufacturing stations, in addition to parts and systems for a variety of last mile transportation vehicles, including drones.

"Since we announced the formation of our 3D Printing business, we've been focused on developing partnerships with leading OEM printer manufacturers. We are excited to announce our partnership with NEXA3D, whose patented technology is ideally suited to realize the full potential of the Loctite materials portfolio," says Henkel's Head of Additive Manufacturing, Simon Mawson.

In addition to Henkel's unique material, the collaboration also benefits from Nexa3D's innovative 3D printing technology. The company's NXE400 device prints up to 19 liters of part volume at high speed, greatly reducing the time it takes to produce functional prototypes and production parts, often from hours to just minutes.



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“We are thrilled to partner with a performance materials leader like Henkel to jointly drive additive manufacturing to scale for manufacturers around the globe,” says Avi Reichental, Nexa3D’s Co-founder and CEO. “We founded Nexa3D with the sole purpose of providing the world’s fastest, largest and most accurate industrial 3D printer to power our customers’ additive manufacturing transformation. We believe that together with Henkel’s high-performance material capabilities, we are poised to reach end-use production scale even faster.”

Going forward, Henkel and Nexa3D plan to expand the portfolio of materials which are tailored specifically for the high throughput capabilities of the NXE400. Through ongoing collaboration, the companies aim to unlock an even wider range of applications, directly benefiting designers and manufacturers who want to leverage 3D printing in the production of truly functional parts.

Both the NXE400 and the xABS Black material are available for purchase now. To find a Nexa3D reseller or schedule a demo, please click [here](#).

To learn more about Henkel’s innovation in 3D printing visit [LoctiteAM.com](https://www.loctiteam.com). To see how your organization can collaborate with Henkel, please email Loctite3DP@henkel.com.

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 2019, Henkel reported sales of more than 20 billion euros and adjusted operating profit of more than 3.2 billion euros. Henkel employs more than 52,000 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 NEXA3D

Nexa3D makes ultrafast industrial grade stereolithography 3D printers affordable for professionals and businesses of all sizes. The company’s printers are powered by proprietary Lubricant Sublayer Photocuring (LSPc) technology and patented structured light matrix capable of reaching top speeds of 1Z centimeter per minute, drastically reducing 3D printing cycles of precision functional parts from hours to minutes. To learn more, visit www.nexa3d.com.

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

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Nexa applications based on Henkel materials