



Press Release

November 18, 2019

Further expansion of open Loctite materials platform for mass production of functional parts across industries

Henkel and Rapid Shape to collaborate for novel 3D printing solutions

Düsseldorf – To further drive the mass production of 3D printed functional parts, Henkel is partnering with Rapid Shape, Heimsheim, Germany, a leading provider of high-speed technologies for additive manufacturing. The companies aim to align Henkel's materials expertise with Rapid Shape's printer technology and will showcase novel solutions during the upcoming Formnext 2019 trade show in November.

Rapid Shape has joined Henkel's the open materials platform to expand the existing collaboration of both companies for novel 3D printing solutions. As part of the partnership Rapid Shape will certify Henkel's materials for use on its open DLP printer systems like the I30+. Henkel will include Rapid Shape's DLP printing technologies into its broad 3D printing ecosystem and will leverage the new solutions to its customer base across more than 800 industry segments.

Both companies have intensively tested Henkel's high-performance materials on Rapid Shape's industrial I30+ 3D printers. The combination of materials and machine solutions enable the 3D printing of high-quality parts for a variety of applications. Henkel's Loctite 3D 3820 ultra-clear resin, for example, allows customers in the



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health and other industrial sectors to produce transparent high-performance parts for use in visual flow inspection, covers and lenses.

“We aim to further expand our open materials approach and are excited to welcome Rapid Shape as technology partner for our high-performance materials,” explained Philipp Loosen, Head of 3D Printing at Henkel. “Together we aim to further develop, evaluate and drive 3D printing solutions tailor-made for applications in the mass production of additive manufacturing across industries. Loctite 3D 3820 demonstrates the power of our open materials platform. We provide customers with the flexibility to choose the right material for their needed application and to work on the right printers within Henkel’s ecosystem such as the I30+ from Rapid Shape.”

Rapid Shape has benefitted from many years of experience in 3D printing and offers professional solutions specialized for the dental, hearing aid and other industrial markets. Recently, Rapid Shape has grown to be one of the top players in high-end dental laboratories, as well as in centralized production spaces. Offering new high-performance materials, Rapid Shape has moved into the industrial sector in conjunction with Henkel. Rapid Shape’s technology is based on patented Force Feedback DLP printing that significantly reduces separation forces. This has the dual effect of increasing print speed as well as print quality. The open material system further increases Rapid Shape’s versatility and possibilities to its customers.

“Our printers run in many centralized additive production centers for medical products. This prior experience has prepared us for the technical requirements of the industrial sector. The continuing development of materials and printers has opened the door for new opportunities across industries. By collaborating with Henkel, we believe that we can create significant value for customers searching for a high-



performance combination of material and machine solutions”, said Andreas Schultheiss, CEO of Rapid Shape.

Henkel and Rapid Shape will present their 3D printed demo parts at the upcoming Formnext on November 19 to 22 in Frankfurt, Germany. Henkel will showcase its end-to-end portfolio of advanced 3D printing materials, post processing solutions and services at booth C41 in hall 12.1. Rapid Shape will be present at booth A11 in hall 11.1.

For further information about Henkel’s 3D printing portfolio please visit www.Loctite3dp.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 2018, Henkel reported sales of around 20 billion euros and adjusted operating profit of around 3.5 billion euros. Henkel employs around 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 Rapid Shape

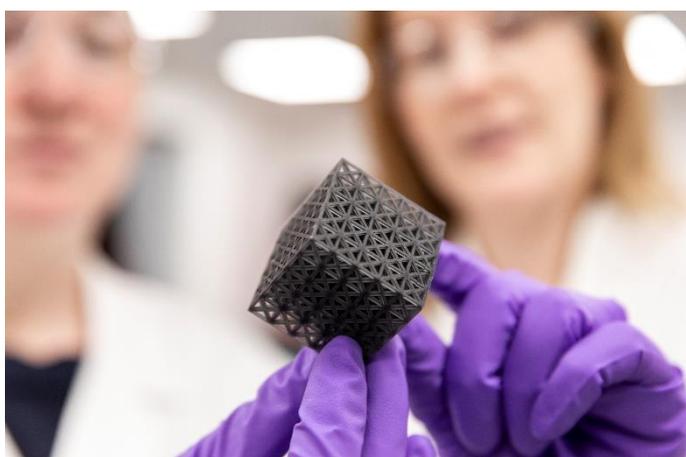
Rapid Shape is a German company that specializes in the development and manufacture of high-end systems for additive printing. Rapid Shape has positioned itself as one of this industry’s leaders through proprietary technology that has set new standards in speed, reliability and precision. Rapid Shape provides solutions for industrial, dental, hearing aid and jewellery markets. Precision, quality, and cooperation with sales, material and technology partners distinguishes this company from its competitors.

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The following pictures are available under www.henkel.com/press:



Henkel and Rapid Shape collaborate for novel 3D printing solutions with focus on the mass production of functional parts.



Rapid Shape will certify Henkel's materials for use on its open DLP printer systems like the 130+.