



Press Release

May 16, 2019

Partnership to certify Loctite 3D printing materials for use in EnvisionTEC cDLM technology

Henkel and EnvisionTEC collaborate to drive the next level of additive manufacturing

Düsseldorf – To further drive the adoption of 3D Printing technologies beyond prototyping to final parts production, Henkel is partnering with EnvisionTEC, Dearborn, MI, a leading global provider of professional-grade 3D printing solutions. The companies will collaborate to align Henkel's materials expertise with EnvisionTEC's printer technology. The partners will showcase selected 3D printed parts for the medical and manufacturing sectors during the upcoming Rapid + TCT conference from May 21 to 23.

Henkel aims to further drive additive manufacturing towards the mass production of functional parts across various industries and offers an open materials platform for manufacturers of 3D printers and system providers. As a central element the company has launched differentiated next-generation resins under the well-known Loctite brand during the Formnext in November 2018.

Through its new open access program, EnvisionTEC collaborated to certify Henkel's materials for use on its 3D printers and align the Loctite materials portfolio to the EnvisionTEC printer solutions. Henkel will include EnvisionTEC's continuous Digital Light Manufacturing (cDLM) technology platform into its broad 3D printing ecosystem



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and will leverage the new solutions to its customer base across more than 800 industry segments.

“We aim to further expand our open materials approach and have identified EnvisionTEC’s innovative cDLM technology as excellent fit for our high-performance materials,” explained Philipp Loosen, Head of 3D Printing at Henkel. “The partnership has a huge potential to leverage a wide range of our resin portfolio for use in additive mass production. Together we have already printed novel parts for the medical and manufacturing sectors strongly demonstrating the performance of our materials. We will extend the collaboration for novel 3D printing solutions into other industry segments soon.”

EnvisionTEC has successfully used Henkel’s Loctite Silicone Elastomeric resins for 3D printed orthodontic indirect bonding trays and molds for injection molding. Both companies will showcase these demo parts at the upcoming Rapid + TCT show in Detroit.

“We are really excited to have Henkel as our open access collaborator. We believe that their material portfolio, customer intimacy, and commitment to driving real applications into scale aligns well with our companies’ mission of changing the way things are made,” added Al Siblani, CEO of EnvisionTEC.

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 EnvisionTEC

EnvisionTEC is a leading global provider of professional-grade 3D printing solutions. Founded in 2002 with its pioneering commercial DLP printing technology, EnvisionTEC now sells more than 40 printer configurations based on six distinct technologies that build objects from digital design files. The company's premium 3D printers serve a variety of medical, professional and industrial markets, and are valued for precision, surface quality, functionality and speed. For more information, please visit <https://envisiontec.com>.

Photo material is available at <http://www.henkel.com/press>

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EnvisionTEC has successfully used Henkel's Loctite Silicone Elastomeric resins for 3D printed orthodontic indirect bonding trays in the health sector.



Henkel and EnvisionTEC will showcase first 3D printed demo parts such as molds for injection molding at the upcoming Rapid + TCT show.