



Press Release

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KeyModel Ultra: the next generation of dental modeling

Keystone and Henkel to launch new 3D dental modeling resin

Düsseldorf, Germany, and Gibbstown, New Jersey, USA – As part of their ongoing collaboration for 3D printing applications in the dental industry, Keystone Industries (Keystone) and Henkel have developed KeyModel Ultra. This next generation of 3D dental modeling resin offers a new level of accuracy, detail, and speed. KeyModel Ultra is formulated for rapid printing and fast post curing and is also designed to reduce peel forces, which increases print accuracy.

KeyModel Ultra does not require release agents for thermoforming aligners and other devices. Its flawless detail ensures that all thermoformed devices fit perfectly, and it can be carved without chipping to adjust the model when needed. KeyModel Ultra is available in ivory and light grey.

“The collaboration of the Henkel and Keystone teams created an opportunity to develop a model material with new innovative characteristics. Our KeyModel Ultra prints faster than other materials and offers a smoother finished surface,” explains Doug Statham, Senior Director of Digital Materials at Keystone. “As model printing for clear aligner is the number one application in dental, our teams developed a material that offers an integrated release agent, making vacuum-formed aligners easier to remove than with other materials and improving the workflow. In addition, Keystone and Henkel are supplying this material at reduced costs compared to other model material on the market, providing greater value to our end users.”

“We are excited in cooperation with Keystone to introduce KeyModel Ultra to the dental market”, said Ken Kisner, Head of Innovation for 3D Printing at Henkel. “Henkel’s rapid innovation capabilities in collaboration with Keystone’s manufacturing and market know-how

have again enabled another outstanding technology; delivering the next generation of modelling resins that provide speed, accuracy and detail. This is the first of many new launches, to come, where the longstanding know-how of Keystone in the dental space, coupled with our extensive material science know-how will continue to drive the transition to digital dentistry.”

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 Keystone

Keystone's group of dental companies focuses largely on consumable digital, laboratory, operatory and preventative products. We are a global supplier, maintaining a diverse network of more than 800 U.S. and international dental distribution partners in 70+ countries. Keystone has developed industry-leading products like its innovative KeyPrint® line of 3D printing resins, Diamond D® high-impact denture base, the Pro-Form® line of thermoplastics, innovative and patent-protected laboratory offerings such as Enamelite ceramic spray glazes and the winner of Dental Advisor's top product of the year, our Gelato prophylaxis paste. Keystone has spent nearly three decades formulating and producing biocompatible, cutting-edge, patented photopolymer resins for dental and cosmetic nail applications. Keystone maintains FDA licensing, ISO 13485 (medical device) and 22716 certifications, along with GMP certification and international product registrations. To learn more, visit <https://dental.keystoneindustries.com>, like the Keystone Facebook page, or follow us on Instagram and Twitter.

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

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Henkel AG & Co. KGaA



Keystone and Henkel have developed KeyModel Ultra, a next generation of 3D dental modeling resin.



KeyModel Ultra offers a new level of accuracy, detail, and speed and is formulated for rapid printing and fast post curing.