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Press release

Hilzingen, Germany – March 2024

SIMPLEX 3D filament printer system: A complete solution for simplicity and process reliability

Renfert launches second generation of SIMPLEX-filaments for 3D printing

Renfert, one of the few suppliers of a dental-specific 3D filament printer system, announced the launch of the second generation of SIMPLEX filaments. This underlines the company's pioneering role in dental filament printing and its claim to offer complete solutions for simplicity and process reliability.

The SIMPLEX 3D filament printer system was developed specifically for orthodontic model printing and is characterized by its simplicity. Among other things, the system integrates different filaments developed for orthodontic models. The filaments are mainly made of bioplastics, which allow easy recycling and industrial composting without complex processes. All SIMPLEX filaments are matched to the SIMPLEX printer system. This ensures consistently high print quality and accuracy. The result is detailed orthodontic models with excellent surface accuracy and dimensional stability. The formulation has been optimized for the second generation of SIMPLEX filaments. The SIMPLEX multi-use model 2 filament, for example, has significantly improved properties compared to plaster-like filaments due to a new formulation and the use of anhydride components. All second generation filaments are available in 1000 g (35.3 oz.) spools at a competitive price. They are packaged in vacuum-sealed, resealable aluminum bags for maximum protection from moisture and light.

With the new SIMPLEX 2 filaments and a software release (SIMPLEX sliceware), Renfert is setting new standards in efficiency and quality. Dental offices and laboratories can now print a wide range of orthodontic models – from planning and/or aligner models to working models – easily, precisely and economically. And the product experts at Renfert will continue their passionate and exciting research and development work to further improve the experience of dental 3D filament printing by providing new, innovative approaches in the future. You can find more information at: www.renfert.com/simplex-2-filaments

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More information

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