



EVERYTHING FROM A SINGLE SOURCE – THE NEW CARA 3D PRINTING PRO SOLUTION FROM KULZER

One workflow, one solution, one supplier: With the new *cara 3D Printing pro Solution*, Kulzer offers a completely validated 3D printing workflow from a single source. Thanks to perfectly matched devices and materials, the Kulzer system delivers process stability and reliable quality while being easy to use. Together with the new workflow system, Kulzer introduces its new photopolymer *dima Print Stone gray* which provides perfect back-drop for ceramic veneering and staining.

Hanau - 03.01.2022. From the new 3D printer and CAM software to the photo-polymers, the cleaning unit and the light curing – with the new 3D Printing pro Solution, Kulzer offers customers a complete system that guarantees accurate results in consistent quality and specifications. Everything from a single source also means: Besides the warranty, customers have only one contact person for everything related to the workflow. Thus, they have faster support compared to a workflow that is composed with different providers.

The cara 3D Printing pro Solution in detail

The complete package from Kulzer consists of the printer cara Print 4.0 pro including new CAM 2.0 software, the cleaning device cara Print Clean pro and the light curing device cara Print LEDcure as well as the matching dima Print photopolymers.

The most important innovations of the system at a glance: the build platform of the new 3D printer cara Print 4.0 pro is 46 percent larger compared to the previous model, so that more can be printed at once – up to 8 splints can be accommodated here. Thanks to an interface function in the CAD software to Kulzer's CAM software, relevant information on the indication and Kulzer's dima material can be transferred directly to the CAM with one click. This shortens the processing time because the printing parameters no longer have to be set. Experienced users can still adjust the settings individually as required.

The new light-curing unit cara Print LEDcure offers more space on a transparent turntable with 4 to 5 models; thanks to the transparency and a fully mirrored interior, the objects no longer need to be rotated manually for optimal curing. The air heating system



and high-powered LEDs help to reduce curing times while creating a stable thermal environment that enables more complete bond formation and ensures the required mechanical properties in terms of flexural strength, elongation at break and edge strength.

dima Print Stone gray for highly aesthetic restorations

Kulzer's dima Print photopolymers are optimized for this new 3D printing workflow:

"Thanks to our many years of experience in the field of polymers as well as our in-depth knowledge of 3D printing, the dima Print materials are a perfect fit for the new 3D printing process and they are tailored to the specific requirements of each dental application – so users always achieve an optimal result," says Rupert Floegel, Product Manager for 3D Printing at Kulzer. Thus, the latest *dima Print Stone gray* also fits perfectly to the new cara Print 4.0 pro. *dima Print Stone gray* was developed to mimic the look and handling properties of gray gypsum for the production of models. It delivers excellent precision, stability and heat resistance, along with the colouring and surface properties dental technicians demand for creating highly aesthetic restorations. *dima Print Stone gray* is also compatible with devices from Asiga.

Figures:



Validated, efficient, simple: cara 3D Printing pro Solution from Kulzer



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New 3D printing generation: cara Print 4.0 pro



Cleaning device: cara Print Clean pro



Curing device: cara Print LEDcure



The new colour for ceramics: dima Print Stone gray



With dima Print, Kulzer offers a broad and growing range of photopolymers.



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Video of the workflow with Kulzer's 3D Printing pro Solution



<https://kulzer.com/3dp-video>

Kulzer GmbH

As one of the world's leading dental companies, Kulzer has been a reliable partner for all dental professionals for more than 85 years. Whether aesthetic or digital dentistry, tooth preservation, prosthetics or periodontology, Kulzer stands for trusted and innovative dental products. With optimal solutions and services, Kulzer aims to support its customers in restoring their patients' oral health in a safe, simple and efficient way. For this purpose, more than 1400 employees work in 26 locations in the fields of research, manufacturing and marketing. Kulzer is part of the Mitsui Chemicals Group. The Japanese Mitsui Chemicals Inc. (MCI) based in Tokyo owns 131 affiliates with more than 18,000 employees in 27 countries. Its innovative and functional chemical products are as much in demand in the automotive, electronics and packaging industries as in environmental protection and healthcare.

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