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Printing a better world with multi material 3D printing

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Our (MEMS) piezo printheads are suited for high temperatures and materials with a high viscosity. We have developed a full colour 2D workflow and have expanded this into 2.5D and 3D. Our 3D printing technology makes it possible to 3D print multiple industrial grade materials. We call this technology multi material 3D printing. It is expected that 3D printing will revolutionize the dental world. The resulting technology may serve a billion euro market, provide better-looking results and massively reduce the amount of manual labour that goes into making dental prostheses. Potentially it will make a perfect smile available for everyone in the future. Currently

all dental 3D printers are mono colour. With our partners we are investigating the feasibility 3D printed realistic dental prostheses combining transparency and colour. Potentially it will make a perfect smile available for everyone. Other multi material 3D applications could be BIO medical certified prostheses like facial or skull reconstructions, noses and even eyes. MM3D has other advantages like less waste and less post processing. It makes it possible to set-up local economies and saves CO₂ and transportation cost. It is also valuable for Industry 4.0.

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