

KLS Martin Group

"Surgical Innovation is our Passion"

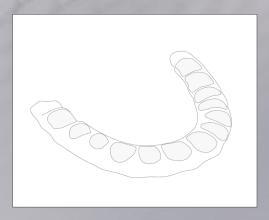
The KLS Martin Group, family-owned company, with its headquarters in Tuttlingen Germany and many branches worldwide, been offering has innovative medical technolosolutions since 1923, such gy implant highsystems, surgical devices, frequency surgical lasers, sterilization containers, surgical lights, instruments and surgical individual surgical solutions. Surgical innovation is the passion of KLS Martin and thus, in many cases, they have set new benchmarks. Also in their production department, where they started with 3D printing in 1999, when this kind of production was completely unknown to many others. The reason for choosing 3D printing as a production method was the major advantage over conventional methods that additional degrees of freedom in design could be achieved. Due to the increase in efficiency, over the past 20 years, the amount of 3D printers at KLS Martin has been growing and currently more than 30 3D printers are being part of the production including process, SolFlex 3D printers.



Easy Handling & Support

The decision-making criterion for the SolFlex 3D printers was the easy handling and the competent and comprehensive service provided by W2P Engineering. At KLS Martin, 5 employees work with the SolFlex devices - they prepare the stl files from digital surgical planning with the CAM software for the printing process and then produce them with biocompatible (MD Class IIa) SolFlex resins. The initial challenges when using DLP printers were choosing the suitable 3D printing material as well as defining the best process.

3D-Printed Orthodontic Splints



The SolFlex 3D printers are used for the for the production of orthodontic splints. These splints serve as a fixation of the patient's jaw and teeth in the course of jaw corrections.

