

RAPID SHAPE REPRESENTS AUTOMATION IN 3D PRINTING

Additive manufacturing is ideal for the production of plastic models for dental indications. This includes highly efficient 3D rapid prototyping and ultra-fine resolution manufacturing.

When developing its 3D printers, Rapid Shape thinks in all dimensions. Depending on their needs, users can choose the small D20+ model, the compact D30+ model or the fully automated D50+ 3D printer. In the end, the user receives perfectly aligned solutions for an optimal workflow.

With a large volume and the automatic separation unit (ASM) of the D50+ 3D printer, users can catapult their daily piece counts into new dimensions. Printed parts are automatically separated from the build platform and collected in a basket. The next print job is started immediately.

Rapid Shape will be showcasing its D20+, D30+, D50+ 3D printers and even the large RS inline production line at its booth K-89 in Hall 4.2, where the team will be happy to demonstrate its numerous highlights to interested parties.

ALIGNER PRODUCTION IN FLEXIBLE QUANTITIES WITH THE D100+ CABINET FROM RAPID SHAPE

Additive manufacturing is increasingly becoming more and more about automation as well as high volume production. Quality, precision, time and cost savings are features to be taken into consideration and Rapid Shape is confidently leading the way. Flexible production, for example of individual aligner models, is possible on a customizable scale with the D100+ Cabinet 3D printer. The 3D printer meets the requirements for a large print area, validated ortho models as well as aligner precision. Durable quality makes it a 24/7 production unit. As a stand-alone solution or in combination with a production line, the D100+ Cabinet 3D printer delivers perfect results. For true series production without unnecessary downtime.

INNOVATIONS OF THE RAPID SHAPE MATERIAL PARTNERS

Rapid Shape is very proud of its numerous material partnerships with leading manufacturers. This combines strengths, offering users full flexibility. The „Innovation Corner“ at the Rapid Shape booth is worth seeing and shows numerous applications of Rapid Shape’s partners, thus conveying the diversity of materials.

Rapid Shape’s 3D printers, like the material bottles, are equipped with RFID technology to support accurate tracking of the work process. The material bottle can simply be scanned after filling the material tray. The printer display shows whether the correct material has been selected. In addition, when the printing process is started, it is automatically checked whether the resin selected in the CAM software matches the one in the tray. This provides security and prevents incorrect print jobs.

The open material system of the Rapid Shape 3D printers allows free selection from over 200 resins for a validated workflow.

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ABOUT RAPID SHAPE

Rapid Shape is one of the leading international manufacturers of 3D printing systems. For customers in the dental, hearing aid, jewelry and the general industry sector, Rapid Shape offers particularly innovative systems that set new standards in terms of precision, speed and automation. The company's success is based on the commitment, experience and know-how of its team, as well as on excellent and trusting cooperation with distribution, material and technology partners. Around 200 employees work for Rapid Shape worldwide, and the number is growing. Rapid Shape has its headquarters in Germany, in Heimsheim, near Stuttgart, as well as additional locations in the USA, Brazil, China, Japan and Hungary. For more information, visit www.rapidshape.de

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