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Stratasys Introduces J5 DentaJet 3D Printer to Serve Growing Demand for Dental Solutions

Supported with biocompatible materials, new system dramatically scales 3D model printing efficiency for dental labs

EDEN PRAIRIE, Minn. & REHOVOT, Israel--(BUSINESS WIRE)-- [Stratasys](https://www.stratasys.com) Ltd. (NASDAQ:SSYS) today introduced a new 3D printer that gives dental labs 3D printing efficiency paired with PolyJet's realism and precision. The J5 DentaJet™ 3D printer is the only multi-material dental 3D printer, enabling technicians to load mixed trays of dental parts. The new 3D printer can produce at least five times more dental parts on a single mixed tray than competitive 3D printers, yet its compact footprint consumes only 4.6 sq. ft (.43m²) of floor space.

This press release features multimedia. View the full release here: <https://www.businesswire.com/news/home/20210309005263/en/>



Dental labs must produce several parts in multiple materials for either removable partial denture (RPD) applications or dental implant cases. For example, each implant case comprises a top and bottom rigid opaque model, a soft gingiva mask, and a biocompatible surgical guide. This requires three different materials, forcing technicians to either use multiple 3D printers or do separate 3D prints using different materials. The J5 DentaJet easily

The new J5 DentaJet 3D printer can produce at least five times more dental parts on a single mixed tray than competitive 3D printers. (Photo: Business Wire)

handles up to five materials, including support material.

The multicolor, multi-material J5 DentaJet also produces 3D-printed case presentations with realism previously only possible using time-consuming wax models. Now, designs can be produced digitally in a few hours. The high resolution of PolyJet materials means dentists can seat crowns and bridges in minutes due to the accuracy of the models – to 18.75 microns, or less than half the width of a human hair.

“Dental and orthodontic models have been growing their adoption of 3D printing but the process has remained too manual and time consuming,” said Stratasys’ Healthcare Vice President Osnat Philipp. “The J5 DentaJet advances the full digital transformation of dental modeling with the potent combination of automation with accuracy. The system runs largely unattended, and you can even produce a build tray with a wide variety of different models using several different materials. It’s a productivity monster.”

NEO Lab is a family-owned orthodontic lab in Andover, Mass. The company has been beta-testing the J5 DentaJet as a way to make life easier for its 120 employees as they serve 3,000 orthodontic and dental clinics across the country. CEO and Co-Owner Christian Saurman said they were interested in using the system to get a better-quality finish, but it’s also helped them efficiently handle large part volumes. “We produce 600 orthodontic appliances every day,” he said. “The DentaJet 3D printer is easy to use, can produce a lot of models in a single print, and we don’t spend much time post-processing the models after they come out of the machine. Our models go from printer to production floor faster than ever.”

Motor City Lab Works, a full-service orthodontics lab in Birmingham, Mich., has also been beta testing the J5 DentaJet. Dr. John Dumas, an orthodontist and CEO of Motor City Lab Works, has been impressed by the high-level of accuracy and high volume the machine can produce. “As an orthodontist we really need highly accurate models to ensure patient appliances are the best fit. We needed a printer that could accommodate the combination of a larger build tray for high volume plus produce higher resolution models. The J5 DentaJet provides us with both luxuries in one machine.”

According to Stratasys estimates, the total addressable segment for dental 3D printing is about \$1 billion. With a growing array of 3D printing technologies, from polymerization to stereolithography, Stratasys can be a complete 3D printing provider for its customers, matching the right technology to the right application. The J5 DentaJet is now ideal for customers needing to produce high volumes of realistic, highly accurate models.

The J5 DentaJet is launching with a full range of resins tailored to meet the needs of the dental industry. Available biocompatible resins include a clear resin, VeroGlaze opaque white for temporary in-mouth placement, and a clear and flexible resin. In addition, Separator digital material automatically coats models to make it much easier to separate the acrylic device from the model and remove wax and residue. Other available resins include VeroDent PureWhite, and CMY resins for color.

The J5 DentaJet 3D printer is available now. Learn more [online](#).

Stratasys is leading the global shift to additive manufacturing with innovative 3D printing solutions for industries such as aerospace, automotive, consumer products and healthcare.

Through smart and connected 3D printers, polymer materials, a software ecosystem, and parts on demand, Stratasys solutions deliver competitive advantages at every stage in the product value chain. The world's leading organizations turn to Stratasys to transform product design, bring agility to manufacturing and supply chains, and improve patient care.

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Note Regarding Forward-Looking Statement

The statements in this press release relating to Stratasys' beliefs regarding the benefits consumers will experience from using the J5 DentaJet are forward-looking statements reflecting management's current expectations and beliefs. These forward-looking statements are based on current information that is, by its nature, subject to rapid and even abrupt change. Due to risks and uncertainties associated with Stratasys' business, actual results could differ materially from those projected or implied by these forward-looking statements. These risks and uncertainties include, but are not limited to: the degree of our success at introducing new or improved products and solutions that gain market share; the degree of growth of the 3D printing market generally; the duration of the global COVID-19 pandemic, which, if extensive, may continue to impact, in a material adverse manner, our operations, financial position and cash flows, and those of our customers and suppliers; the impact of potential shifts in the prices or margins of the products that we sell or services that we provide, including due to a shift towards lower-margin products or services; the impact of competition and new technologies; potential further charges against earnings that we could be required to take due to impairment of additional goodwill or other intangible assets; to the extent of our success at successfully consummating acquisitions or investments in new businesses, technologies, products or services; potential changes in our management and board of directors; global market, political and economic conditions, and in the countries in which we operate in particular (including risks related to the impact of coronavirus on our operations, supply chain, liquidity, cash flow and customer orders; costs and potential liability relating to litigation and regulatory proceedings; risks related to infringement of our intellectual property rights by others or infringement of others' intellectual property rights by us; the extent of our success at maintaining our liquidity and financing our operations and capital needs; the impact of tax regulations on our results of operations and financial condition; and other risk factors set forth under the caption "Risk Factors" in Stratasys' most recent Annual Report on Form 20-F, filed with the Securities and Exchange Commission (SEC) on March 1st, 2021. Readers are urged to carefully review and consider the various disclosures made throughout our 2020 Annual Report and our other reports filed with or furnished to the SEC, which are designed to advise interested parties of the risks and factors that may affect our business, financial condition, results of operations and prospects. Any guidance provided, and other forward-looking statements made, in this press release are

made as of the date hereof, and Stratasy's undertakes no obligation to publicly update or revise any forward-looking statements, whether as a result of new information, future events or otherwise, except as required by law.

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Stratasy's PR Corporate & North America

aaron.pearson@stratasy's.com

+1 612-716-9228

Investor Relations

Yonah Lloyd

yonah.lloyd@stratasy's.com

+972-54-4382464

PR Europe, Middle East, and Africa

Jonathan Wake / Miguel Afonso, Incus Media

stratasy's@incus-media.com

+44 1737 215200

PR Asia Pacific and Japan

Alice Chiu

alice.chiu@stratasy's.com

+852 9189 7273

PR Brazil, Central America and South America

erica.massini@stratasy's.com

+55 (11) 2626-9229

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