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## Stratasys Teams with Top Dental Labs to Dramatically Scale Production of High-Quality Clear Aligner Molds

*DynaFlex and Ortoplus tap into power of professional-grade, easy-to-use 3D printing with the Stratasys J700 Dental*

MINNEAPOLIS & REHOVOT, Israel--(BUSINESS WIRE)-- [Stratasys](#) (NASDAQ: SSYS), a global leader in applied additive technology solutions, today announced that top laboratories in North America and Europe are successfully driving large-scale production of clear aligner molds with the Stratasys J700 Dental™ 3D Printer – built on advanced PolyJet-based technology. Offering a unique combination of throughput, quality, and time-to-final part - Stratasys solutions enable growing orthodontic and dental laboratories to rapidly capitalize on the clear aligner marketplace, with professional-grade, easy-to-use and cost-effective 3D printing technology.

This press release features multimedia. View the full release here:

<https://www.businesswire.com/news/home/20180404005297/en/>



The Stratasys J700 Dental 3D Printer enables growing dental and orthodontic labs to produce up to 400 clear aligner molds per day (Photo: Business Wire)

A popular alternative to complex and manual placement of traditional dental braces, clear aligners offer patients a more aesthetically-pleasing and easily maintained orthodontic treatment. Customers such as Missouri-based [DynaFlex®](#) and Malaga-based [Ortoplus](#) are increasingly seeking more cost-effective and efficient approaches to compete in the clear aligner market – currently experiencing

annual growth of about 17.5 percent. High-speed, production-grade 3D printers alongside digital production processes are often critical to lowering barriers-to-entry.

“We’ve been in the clear aligner market for quite a while, but have only been able to produce in small quantities,” said Darren Buddenmeyer, CEO of DynaFlex. “We soon realized our team needed a faster printer, one that could produce on-demand and didn’t require high levels of expertise to operate.”

Designed to meet the challenges facing growing orthodontic and dental customers, the Stratasys J700 Dental 3D Printer is engineered to address large-scale capacity and high-throughput requirements for production of clear aligner molds. Powering lab production rates of more than 400 molds per day, the system is optimized for highly accurate 3D prints with minimal calibration and learning required to move the system into production.

Working alongside Stratasys, customer Ortoplus is experiencing significant growth – which the company estimates at approximately 23 percent yearly. Commented Ana Fernandez, R&D Director: “We’re very excited about the Stratasys J700, because it has the potential to take our clear aligner business to the next level. After evaluating several 3D printing alternatives, it is clear that Stratasys is one of the most optimized solutions for out-of-the-box clear aligner production. This makes it easy to build patient models of extremely high quality, and start production right from day one.”

Based on award-winning PolyJet technology, the J700 Dental 3D Printer enables seamless digital workflows supported by GrabCAD Print™. The technology allows users to capitalize on smart default settings, tips and notifications for a more seamless 3D printing process. Customers can also access detailed model views alongside tray and slice previews to implement intricate, detailed adjustments before going to print.

“At Stratasys, we’re committed to offering orthodontic and dental customers new opportunities to make the transition to digital dentistry, leveraging advanced 3D printing. The Stratasys J700 Dental makes it easier than ever to capitalize on new opportunities offered by large-scale, high-quality production of clear aligner molds,” said Michael Gaisford, Director of Marketing for Healthcare Solutions at Stratasys. “We firmly believe only Stratasys is capable of delivering the levels of quality, reliability and performance that today’s dental market demands.”

To learn more about the power of Stratasys 3D printing solutions at work, please download our newest [DynaFlex case study](#).

**Stratasys** is a global leader in applied additive technology solutions for industries including Aerospace, Automotive, Healthcare, Consumer Products and Education. For nearly 30 years, a deep and ongoing focus on customers’ business requirements has fueled purposeful innovations—1,200 granted and pending additive technology patents to date—that create new value across product lifecycle processes, from design prototypes to manufacturing tools and final production parts. The Stratasys 3D printing ecosystem of solutions and expertise—advanced materials; software with voxel level control; precise, repeatable and reliable FDM and PolyJet 3D printers; application-based expert services; on-demand parts and industry-defining partnerships—works to ensure seamless integration into each customer’s evolving workflow. Fulfilling the real-world potential of additive, Stratasys delivers breakthrough industry-specific applications that accelerate business processes, optimize value chains and drive business performance improvements for thousands of future-ready leaders. Corporate headquarters: Minneapolis, Minnesota and Rehovot, Israel. Online at: [www.stratasys.com](http://www.stratasys.com), <http://blog.stratasys.com> and [LinkedIn](#)

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### **Stratasys Media Contacts**

#### **Stratasys Corporate & North America**

Craig Librett, +1-518-424-2497

[Craig.Librett@stratasys.com](mailto:Craig.Librett@stratasys.com)

or

Joe Hiemenz, +1-952-906-2726

[Joe.Hiemenz@stratasys.com](mailto:Joe.Hiemenz@stratasys.com)

or

#### **Europe, Middle East, and Africa**

Jonathan Wake / Miguel Afonso, Incus Media

[stratasys@incus-media.com](mailto:stratasys@incus-media.com)

+44 1737 215200

or

#### **Greater China, Southeast Asia, ANZ, and India**

[Alison.Yin@stratasys.com](mailto:Alison.Yin@stratasys.com)

+ 86-21-33196051

or

#### **Japan and Korea**

[Aya.Yoshizawa@stratasys.com](mailto:Aya.Yoshizawa@stratasys.com)

+81 3 5542 0042

or

#### **Mexico, Central America, Caribe and South America**

[Yair.Canedo@stratasys.com](mailto:Yair.Canedo@stratasys.com)

+52 55 4169 4181

or

#### **Brazil**

[Caio.Ramos@GPcom.com.br](mailto:Caio.Ramos@GPcom.com.br)

[Nando@GPcom.com.br](mailto:Nando@GPcom.com.br)

GP Communications

+55 (11) 3129 5158

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