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Stratasys Brings Enterprise Software Connectivity to 3D Printing to Scale up Manufacturing

New API program connects additive manufacturing to the 'smart factory'; Initial partners include Link3D and Identify3D

EDEN PRAIRIE, Minn. & REHOVOT, Israel--(BUSINESS WIRE)-- [Stratasys](#) Ltd. (NASDAQ: SSYS) announced today a new program to integrate its 3D printers in production environments with the factory floor via the GrabCAD® Software Development Kit (SDK). Each SDK package includes a complete set of application programming interfaces, documentation, and code samples that enable development partners and manufacturing customers to establish two-way connectivity between Stratasys FDM® 3D printers and enterprise software applications. The program gives customers the power to integrate, manage, and support additive manufacturing for production of end-use parts.

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Manufacturers are increasingly looking to scale up 3D printing for production parts. As a result, additive manufacturing solutions from companies like Stratasys are becoming a more integrated part of Industry 4.0. (Graphic: Business Wire)

Stratasys has previously introduced support for [MTConnect](#), an industry-standard protocol that enables customers to communicate factory data. However, while good for collecting execution data, this standard does not support additional capabilities for sending and receiving printer commands and for remote monitoring. As

companies increase their investment in Industry 4.0 initiatives, Stratasys is now meeting the need for more sophisticated two-way integration.

Initial partners for the GrabCAD SDK program include [Link3D](#), the leader in additive workflow and manufacturing execution system software, and [Identify3D](#), which provides

software that enables security, usage control and traceability of design and manufacturing data across the digital supply chain.

“The Industrial IoT transformation is underway as leading manufacturers seek to adopt a more digital, agile way of operating,” said Greg Gorbach, vice president of digitization and IoT at ARC Advisory Group. “At the heart of IIoT is data and connectivity. For 3D printing to achieve its full potential on the shop floor, companies need an easy, secure, scalable way for additive manufacturing systems to integrate into Industry 4.0 initiatives in production environments.”

Improved API connectivity could open the door to new business models, such as enabling airlines to 3D print their own spare parts with license keys from aerospace company OEMs. Similarly, global manufacturers could more easily make on-the-fly decisions about where to produce parts in different locations through automated software integrated with global networks of 3D printers. In fact, cloud-based workflow software was essential to Stratasys’ COVID Coalition to produce 250,000 face shields across more than 100 coalition partners earlier this year.

“Additive manufacturing enables almost anything to be manufactured almost anywhere quickly, and that is the kind of agility our customers need in a world of supply chain disruption,” said Dick Anderson, senior vice president for manufacturing at Stratasys. “Stratasys is committed to enable full integration with the smart factory to give our customers the speed and agility benefits that only additive manufacturing can provide.”

The first two available SDK packages enable customers and partners to integrate with GrabCAD Print software and Stratasys manufacturing systems including the F900, Fortus 450mc, and Stratasys F123 Series of FDM 3D printers.

- The Printer Connectivity package integrates Stratasys printers with enterprise applications such as ERP, PLM, digital rights management, and MES systems to enable automation and production data collection & analytics.
- The PLM package integrates GrabCAD Print with PLM vaulting and file management to streamline the job programming workflow.

The GrabCAD SDK packages are currently in beta with select customers and software application partners and are expected to be available in January. More information is available online at www.stratasys.com/connectivity.

Stratasys is a global leader in additive manufacturing or 3D printing technology and is the manufacturer of FDM[®], PolyJet[™], and stereolithography 3D printers. The company’s technologies are used to create prototypes, manufacturing tools, and production parts for industries, including aerospace, automotive, healthcare, consumer products and education. For more than 30 years, Stratasys products have helped manufacturers reduce product-development time, cost, and time-to-market, as well as reduce or eliminate tooling costs and improve product quality. The Stratasys 3D printing ecosystem of solutions and expertise includes 3D printers, materials, software, expert services, and on-demand parts production. Online at: www.stratasys.com.

To learn more about Stratasys, visit www.stratasys.com, the Stratasys [blog](#), [Twitter](#), [LinkedIn](#), or [Facebook](#). Stratasys reserves the right to utilize any of the foregoing social

media platforms, including the company's websites, to share material, non-public information pursuant to the SEC's Regulation FD. To the extent necessary and mandated by applicable law, Stratasys will also include such information in its public disclosure filings.

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