



Progress beyond

Solvay partners with PrinterPrezz on 3D printing for medical devices

Solvay and PrinterPrezz are collaborating to develop 3D printing selective laser sintering solutions (SLS) for implants and other medical devices.

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PrinterPrezz is a trailblazer in combining polymer and metal 3D printing, nanotechnologies and surgical expertise to design and manufacture next generation medical devices.

“Solvay works with companies across the additive manufacturing (AM) ecosystem to offer production-ready high-performance 3D printing solutions to the healthcare industry,” said Christophe Schramm, AM Business Manager for Solvay Specialty Polymers global business unit. “This partnership will allow us to combine our expertise in materials with PrinterPrezz’s unique offering for qualification of medical devices to accelerate the adoption of 3D printed implants and medical devices using Solvay’s latest AM powder technology for SLS.”

Solvay has over 30 years of experience supplying high-performance polymers to the healthcare industry. The company's Solviva® biomaterials provide optimal performance and meet the requirements for prolonged or permanent exposure to bodily fluids and tissue in the human body. Solvay is leveraging this experience to jointly optimize materials, processing, design and testing for the manufacturing of high-performance 3D printed medical devices.

In addition to the collaboration, Solvay's venture capital fund, Solvay Ventures, participated in PrinterPrezz’s recent \$16 million equity financing round. The funding will support collaborative development efforts in specialized materials for medical equipment. “By partnering together, Solvay and PrinterPrezz will accelerate the advancement of 3D printed medical devices, providing better patient outcomes through breakthrough technology as a part of our efforts to create sustainable shared value for all,” said Thomas Canova, head of Solvay Ventures.

“3D printing is evolving rapidly and is revolutionizing and the development of advanced health care applications from concept to manufacturing,” said Shri Shetty, CEO of PrinterPrezz. “The range of services offered by PrinterPrezz which includes engineering, clinical and regulatory guidance as well as access to 3D simulation software and state-of-the-art 3D printers provides Solvay a gateway for the development and optimization of their high-performance polymeric AM powders to advance the manufacturing of next generation implants and medical devices.”



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About Solvay

Solvay is a science company whose technologies bring benefits to many aspects of daily life. With more than 24,100 employees in 64 countries, Solvay bonds people, ideas and elements to reinvent progress. The Group seeks to create sustainable shared value for all, notably through its Solvay One Planet plan crafted around three pillars: protecting the climate, preserving resources and fostering better life. The Group's innovative solutions contribute to safer, cleaner, and more sustainable products found in homes, food and consumer goods, planes, cars, batteries, smart devices, health care applications, water and air purification systems. Founded in 1863, Solvay today ranks among the world's top three companies for the vast majority of its activities and delivered net sales of €10.2 billion in 2019. Solvay is listed on Euronext Brussels (SOLB) and Paris and in the United States, where its shares (SOLVY) are traded through a Level I ADR program. Learn more at www.solvay.com.

About PrinterPrezz

PrinterPrezz's mission is to bring more ideas for innovative medical devices to market faster, connecting medicine and manufacturing to become the first Medifactory™ company in the world. By developing advanced medical devices using processes that combine expertise in 3D printing, orthopaedics, semiconductor and nanotechnologies, PrinterPrezz's ultimate goal is to provide medical solutions that enable people to enjoy active lives longer. PrinterPrezz's ecosystem aims to solve challenges for various parts of the medical innovation value chain by providing prototyping, development, and manufacturing services to create life-enhancing medical devices. PrinterPrezz provides customers with access to a variety of 3D printing machines, 3D manipulation software, and 3D scanners as well as advanced manufacturing processes, and surgeon education programs. Medical solutions created by PrinterPrezz are designed to enable more people to live happier and more gratifying lives. For additional information about the company, please visit www.printerprezz.com.

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