

PRESS RELEASE

**SOLIDWORLD GROUP AND HUMANITAS UNIVERSITY -  
"MADE IN ITALY" BIOMEDICAL 3D RESEARCH COLLABORATION**

Treviso/Milan, March 14, 2024 - The Biotech division of **SolidWorld Group S.p.A. and Humanitas University** to together accelerate their internationally recognized **Italian medical research**, thanks also to the contribution of [Electrospider](#), a 3D bioprinter emerging from the collaboration between Bio3DModel (a subsidiary of SolidWorld Group) and the University of Pisa.

This is what emerged at "Wired Health", held yesterday, March 13, at BASE in Milan, during the session "3D Printing, Engineering for Healthcare." According to research by [Polaris](#), the **global "3D Bioprinting" market is expected to grow at a CAGR of 15.9% from 2021 to 2030**, when it will be worth more than \$6.5 billion.

The innovative **Electrospider** printer has already received orders not only from Italy, but also from Switzerland and the U.S. In fact, it will **be one of the main technologies that will be included in the new 3D Printing Laboratory** that will start at the Innovation Building, recently opened **on the Humanitas University campus**.

For SolidWorld Group, the collaboration begun with Humanitas University is a source of satisfaction, a recognition of the highly innovative path the group is taking. In fact, Electrospider is capable of reproducing human cells and tissues with additive technology, enabling both the tissue support structure, made of biocompatible material by electrospinning technique with nanometer thickness, and cell hydrogels of different types of human cells to be printed simultaneously for the first time.

"The new 3D laboratory at Humanitas University represents a highly innovative platform where expertise from medicine, cell biology and biomedical engineering intersect. **Electrospider** is one of the flagship tools of this new technology park and **will enable the development of three-dimensional cellular models to support research in the field of personalized medicine**" stated Mr. Paolo Oliva, head of the 3D Innovation Lab and Research Technology Management at Humanitas.

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*SolidWorld Group S.p.A. is the parent of a group of 11 companies founded in the early 2000s by engineer Roberto Rizzo. Listed on the Euronext Growth Milan segment, the Group is a leading developer and integrator of the latest and most comprehensive digital 3D software and hardware for manufacturing companies, supporting and accelerating their journey to Industry 5.0. Thanks to SolidWorld, all stages of production - as far as sale and recycling - are integrated using technologies that make the production process faster and more sustainable and efficient. It operates through 14 offices and 3 technology hubs and has over 150 employees and more than 10,000 client enterprises. In 2023, the Group began mass production of Electrospider, a 3D bioprinter capable of reproducing human cell tissues and organs. The acquisition of Valore BF 3d S.r.l. was finalized in 2023, which SolidWorld saw acquire a new client base. In 2023 it completed the transfer of a technology business unit from Formula E S.r.l., a company of the Vismunda S.r.l. Group, a world leader in automation for equipment focusing on the renewable energy sector. The SolidWorld Group reported revenues of Euro 33.1 million in H1 2023, with a value of production of Euro 35.2 million and EBITDA of Euro 2.8 million. The company has been listed on the Euronext Growth Milan segment of Borsa Italiana since July 6, 2022 (with ticker S3D). [www.solidworld.it](http://www.solidworld.it)*

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