BioCloner Health

About us

We are professionals you can trust

Our mission is to improve the quality of life and health for people and animals by implementing innovative medical technologies. As an R&D unit, we tackle challenges related to the development of new technologies and their scaling to an industrial level. Our interdisciplinary activities include biomedical engineering, biomechanics, mechanics, automation, electronics, and IT.

Our brands

BioCloner 3D — our original 3D bioprinter

BioCloner R&D — self development and R&D projects

SYNERGY IS OUR STRENGTH SYNGIMED — synergy of engineering and medicine

BioCloner 3D

BioCloner Desktop Pro is an advanced 3D bioprinter designed for experts in the fields of medicine and science. It is a reliable tool for daily research and clinical work, developed from the ground up by BioCloner Health. Its applications focus primarily on tissue engineering and regenerative medicine, thanks to its ability to print three-dimensional structures using biomaterials and bioinks in sterile conditions.

BioCloner Desktop Pro

Created for experts from the world of science and industry.

Developed from scratch at BioCloner Health - the BioCloner Desktop Pro is your trusted partner for daily research and clinical work.

Replaceable printheads!

Support for clinical research

Printing with biomaterials and bioinks

Application in transplantation

Check out the BioCloner Desktop Pro

Get to know the individual components of BioCloner Desktop Pro

BioCloner Desktop Pro offers easily **interchangeable print heads**, allowing quick adjustment of parameters like pressure, temperature, and material type. For custom needs, we can design a printhead tailored to your specifications.

Replaceable printheads	
Name	**Purpose**
Calibration Printhead	Mapping the printbed.
Fused Filament Fabrication (FFF)	Printing using thermoplastic polymers (e.g. PLA, PCL) in the form of filament with diameter of 1.75 mm.
Pressure Printing Printhead (PPP)	Printing liquid materials (e.g. hydrogels, silicones) through pressure extrusion.
Controlled - Temperature Pressure (CTP)	Printing liquid materials (e.g. hydrogels, bioinks) through pressure extrusion with tempertaure control.
High Temperature Pressure (HTP)	Printing thermoplastic materials (e.g. PLA, PCL) in the form of granules using pressure extrusion.

BioCloner Software 3D

The software we created consists of several modules enabling work with a 3D bioprinter at various stages - from protocol design to production of the finished product.

User friendly

BioCloner Desktop offers ease of use with its intuitive interface.

User Interface

Our bioprinting platform allows for loading 3D models, performing operations, and ensuring precise print control.

Funcionality

The software interface is automatically updated from the server, ensuring the latest versions and eliminating the need for manual updates.

Protocol

The printing protocol facilitates process monitoring, allows for parameter analysis, and ensures precision and repeatability in creating complex structures.

BioCloner R&D

The Research and Development (R&D) department is a crucial part of our operations, where technology meets a passion for science. We combine testing and collaboration with universities and research centers, as well as innovative engineering services (design, prototyping, turning, milling). BioCloner R&D not only integrates research and 3D bioprinting, but also implements advanced engineering processes, creating modern and comprehensive technological solutions.

BioCloner R&D combines:

3D bioprinting

At BioCloner Health, we believe in the power of collaboration.

Services

We design prototypes and provide comprehensive services for our clients.

Services:

Our experienced engineering team develops projects from concept to finished product. We specialize in prototyping, single-unit and mass production. In our work, we use 3D scanners, 3D printers, and CNC machining, paying attention to detail at every stage, ensuring high-quality final products. Our team is ready to execute both hardware and software projects.

Machining:

Turning,
Milling,
Vibratory polishing,
3D printing (SLA, SLS, FDM).

Notes

Contact us!

Company headquarters:

Wspólna 62,
00-684 Warsaw, Poland
biuro@bioclonerhealth.com
+48 504 936 636

Manufacturing department:

Droga Męczenników Majdanka 74,
20-325 Lublin, Poland
narzedziownia@bioclonerhealth.com
+48 500 222 859

Laboratory:

Wybrzeże Kościuszkowskie 18,
00-390 Warsaw, Poland
+48 504 936 636

bioclonerhealth.com