

Company/University	Bioprinter Technology	Use/Application
3D Bioprinting Solutions	Photocuring, Electromagnetic, Extrusion	Thyroid glands
3Dynamic Systems	Syringe-Based Extrusion	Depositing bone tissue materials and hydrogel-based materials
3Dynamic Systems	Syringe-Based Extrusion	Generate heterogeneous tissue using a bioactive gel, protein growth factors and scaffolds which mature into living tissue structures
ACES at University of Wollongong in New South Wales	Extrusion	Cartilage and bone
Advanced Manufacturing Technology (AMTech) group at the University of Iowa College of Engineering's Center for Computer Aided Design (CCAD)	Multiarm Bioprinter	Tissue engineering
Advanced Solutions	Six-Axes Syringe-Based Extrusion	Cell systems and 3D assays, tissue and organ models, microfluidic platforms
Advanced Tissue Biofabrication Center (ATBC) at Medical University of South Carolina	Robotic Bioprinter	3D vascular constructs
Aether	Pneumatic Extrusion, Fused Filament Fabrication (FFF)	versatile
Aspect Biosystems	Lab-on-a-print Technology*	Tissue constructs for drug discovery and development
Bio3D	Syringe-Based Extrusion	For researchers with a variety of R&D applications, including tissue engineering, drug development and testing, bacteriology, proteins, etc.
Bio3D	Syringe-Based Extrusion	For beginners and educators with scientific and biological applications
Bio3D Technologies	NA	Human tissue; cells for drug testing and experimentation
BioBots	Fused Filament Fabrication (FFF)	Fabricates 3D structure of human tissue
BioCurious	Inkjet or syringe-based extrusion	Tissue engineering, cell culturing
Cardiovascular Innovation Institute	Bioficial Technique	Human heart
CELLINK	Pneumatic Extrusion, Syringe Extrusion	Human tissue
CELLINK	Micro-Extrusion Bioprinting	Human tissue

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Clemson University, South Carolina	Modified Ink-jet Printer	Other – creating cell membrane pores to deliver macromolecules
Cornell University	3D Robotic Printer	Heart valve
Cuspis LLC	Magnetic	
Cyfuse Biomedical	The Kenzan Method*	Blood vessels, nerves, liver tissue, cartilage, subchondral bone
Digilab, Inc.	synQUAD* liquid dispensing technology	Cell interaction studies, tissue engineering, cell based assays
Dutch University of Leiden	NA	Human skin
EnvisionTEC	Syringe-Based Extrusion	Formation of 3D scaffolds and implants
GeSim	Piezoelectric (ink-jet) microdispensing	Prints 3D scaffolds; seeds cells inside or coating the scaffold
GeSim	Pneumatic Extrusion, Piezoelectric Nanoliter Pipetting	Soft tissue implants, conductive coatings on medical devices, organ printing, dispensing photosensitive materials
Hangzhou University of Electronic Science and Technology	NA	Muscle fiber and blood vessels, human body parts
Hannover Medical School	Laser-assisted BioPrinting (LaBP)	Skin
Heriot Watt University (in collaboration with Roslin Cellab)	Valve based Technology	Stem cells for drug testing
Hyrel 3D	Material Extrusion	Bone tissue regeneration, cartilage, spinal discs
MedPrin (Maipu Regenerative Medical Technology)	NA	Tissue scaffolds, stents, tumor models, drug research, dura matter (for brain surgery)
MicroFab Technologies	Other (Piezo Ink-jet and Valve-jet)	Human skin
MIT and Rice University	Stereolithography	3D liver constructs
n3Dbio	Magnetic Levitation	Cell research
n3Dbio (took over Rainbow Biosciences and Nano3D Biosciences)	Magnetic	Cell assays, breast cancer tissues
Neatco	NA	Tissue engineering
nScript	Micro-Dispensing	Biocompatible polymers
Organovo Holdings	Ink-Jet	Develop microtissues for use in drug discovery and research
Ourobotics	Syringe-Based Extrusion	Human tissue, pharmaceuticals

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OxSyBio	3D droplet printing technology	Produce tissue-like synthetic materials for regenerative medicine and drug delivery
Poietis	Laser-assisted BioPrinting (LaBP)	Regenerative Medicine, skin models, tissues
Princeton University	NA	Ear
Regemat3D	Fused Filament Fabrication (FFF) along with Injection pore-filling (IPF) and Injection Filling (IF)	Osteochondral Tissue
RegenHU	Syringe-Based Extrusion	Construct organomimetic tissues for drug delivery and regenerative medicine
RegenHU	Syringe-Based Extrusion	To study and identify biological processes (i.e. cell-cell interactions, differentiation, drug metabolism and expression, in vivo relevance, etc.)
Regenovo	NA	Research, drug discovery, tissue engineering
Reinnervate/ partnership with Roslin Labs (which is now part of Censo Biotechnologies Ltd)	NA	Stem cell printing; tissue products for drug discovery and therapeutic use
Revotek	Biosynsphere*(ink)	Blood vessels
Rokit	Fused Filament Fabrication (FFF)	Grow cells in 3D structures that become transplantable tissues
Rokit	Fused Filament Fabrication (FFF)	Tissue engineering
Rokit	NA	Development of pharmaceutical drugs
Scipero/nScript	Extrusion (SmartPump Technology*)	Bioficial heart and other tissues
Scripps Clinic, San Diego	Modified HP printer	Knee cartilage
Seraph Robotics	Material Extrusion	tissue cultures, organs
Symme 3D	NA	Cartilage, blood vessels, skin, organs
TeVido Biodevices	Cellatier* technology	Create breast reconstruction products from living tissue; drug testing
The Technology Partnership	NA	Can dispense biological cells/materials along with several other inorganic materials
The University of Toyama	Modified Ink-jet Printer	Blood vessels/biotubing
Tsinghua University	Chitosan-based Biocompatible Self-healing Hydrogel System	Liver construct
UCSD	Dynamic Optical Projection Stereolithography* (DOPsL)	Microscale blood vessels

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Unique Technology	NA	Scaffolds and bones
University of Cambridge	Piezoelectric Inkjet Printer	Eye Cells for retinal repair
University of Nottingham	NA	Bone
University of Pennsylvania + MIT	Custom Built 3D Bioprinter	Human organs with blood vessels
University of Toronto inventing team (with the help of MaRS Innovation's (MI) to commercialize the device)	Microfluidic Cartridge-based technology *	Produce artificial skin grafts
Wake Forest Institute for Regenerative Medicine	Hybrid Printer	Cartilage
Wake Forest Institute for Regenerative Medicine	Integrated Tissue and Organ Printing System (ITOP)	Fabricate stable, human-scale tissue constructs of any shape
Wake Forest Institute for Regenerative Medicine	Modified Inkjet	Organs and tissues
Wake Forest Institute for Regenerative Medicine	Modified Inkjet	Skin
Walrus Lab (Univ. of British Columbia)	Biogen (Microfluidic platform technology)	Tissue constructs for drug testing