



New dimension to Life: *Bio3D Technologies' first bio-printer, the Life-Printer 'X', runs on a new technique of creating biological constructs out of biological materials – living cells and chemical solutions – fed into it as raw material*

Local startup to unveil first 3D bio-printer today

It can create human tissue, medicine, dietary supplements

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A SINGAPORE startup creates history today with the unveiling of its three-dimensional (3D) bio-printer, which can produce human tissue, bacterial colonies, dietary supplements and medicine for biomedical and life sciences research.

The Life-Printer "X" is homegrown Bio3D Techno-

logies' first bio-printer, which runs on a new technique of creating biological constructs out of biological materials – living cells and chemical solutions – fed into it as raw material.

The ability of the printer to customise and personalise products will create applications for it in manufacturing, research and medical applications.

Fan Mingwei, the co-founder and director of Bio3D Technologies, said 3D bio-printing will not only speed up research, drug development and improve accuracy on these fronts, but will also reduce costs.

"Many current research and biomedical processes and systems are still very much two-dimensional (2D) designs and structures developed decades back.

"But in nature, almost everything exists in 3D and researchers agree that a 3D system is better for basing their studies on."

He will be exploring collaborations with Duke University and Stanford University, among other institutions, later this year.

The bio-printer is available for monthly leasing and will cost between S\$3,000 and S\$10,000.