



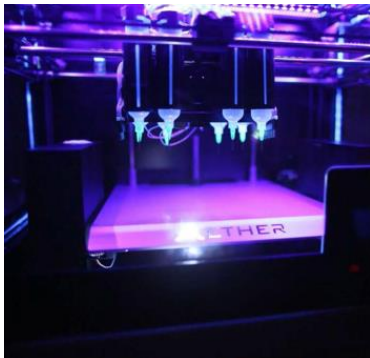
## APPLICATION SPOTLIGHT: SOLENOID VALVES PROVIDE CONTROLS FOR HIGH-TECH 3-D BIOPRINTER

**Bimba | Pneumadyne** was contacted by a 3-D bioprinter company to incorporate solenoid valves and manifolds into the pneumatic control side of their printer. The printers are equipped with the latest technologies including high resolution motors, an automatic air pressure calibration system, and optical sensors.

The valves are used to operate their printer, which has the ability to 3-D print with an unprecedented ten different materials. What's more, the unparalleled number of materials, colors, and fabrication methods can be combined. The printer is equipped with a multitude of features that will absolutely redefine what users can do with a 3-D printer. With its capabilities and ease of use, this printer will completely revolutionize bioprinting, food printing, art, and prototyping.



System 8 & 10 mm Solenoid Valves



3-D Bioprinter

Bimba | Pneumadyne 10 mm and System 8 Series solenoid valves are used in many different applications. The [10 mm Solenoid Valve](#) is a direct acting valve and is a very cost effective, space saving solution for use of single or multiple valves. The miniature valve's fast response time makes it suitable for many different applications.

The [System 8 Solenoid Valve](#) is used in applications where higher flow rates are needed. The valve can be fixed in either direction on the manifold and coil orientation is independent of valve orientation, making it very versatile.

### Potential Applications:

- Automotive Equipment
- Food & Beverage Dispensing
- Handling
- High Speed Conveyors
- Lifting
- Medical Instruments
- Packaging
- Sorting Equipment

For additional information on the System 8 and 10 mm Series solenoid valves and the manifold bases, or if you would like to configure a valve for your application, please contact our [customer service team](#).

