

# Manifolds and Fluid Handling Components

Designing manifolds for fluid handling is complex and has many constraints. The Inkbit Vista system allows the geometric freedom of 3D printing, while offering highly chemical resistant materials with higher endurance than other additive manufacturing solutions on the market.



## MATERIAL ADVANTAGES

- Compatibility with organic solvents
- Resistance to acid/base solutions
- Support easily removed from high aspect ratio channels
- High temperature resistance
- Non-porous, fully dense parts

## PROCESS

- High production throughput
- Large build volume (500 x 250 x 200 mm / 19.6 x 9.8 x 7.8 in)
- Consistent, reliable parts due to in-process closed-loop feedback
- Low labor support removal process

## MATERIAL HIGHLIGHTS

- 40 MPa tensile strength
- 2700 MPa elastic modulus
- 130°C HDT at 0.45 MPa

## APPLICATION FIT

- Medical Equipment
- Robotics
- Industrial Automation
- Oil & Gas