

# 3D Printing Concrete Structures

- Printing large concrete structures is challenging
- Printing a house requires a massive gantry/arm
- A lot of concrete printers use an arm instead of a gantry which has a lot of technical complications regarding compactness and preciseness
- Large gantries are less stable
- Concrete printers range from \$35,000 to multiple millions
- Inferior compressive and tensile resistance
- Modular printing allows for smaller printers
- <https://www.sciencedirect.com/science/article/pii/S0958946521001839>

