Case Study | University of British Columbia

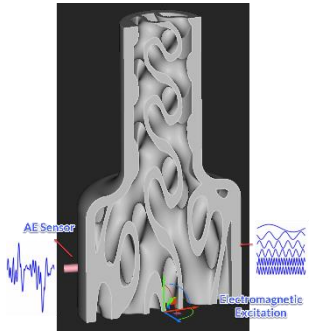
Successfully using Rapidia's HydroFuse 3D printing

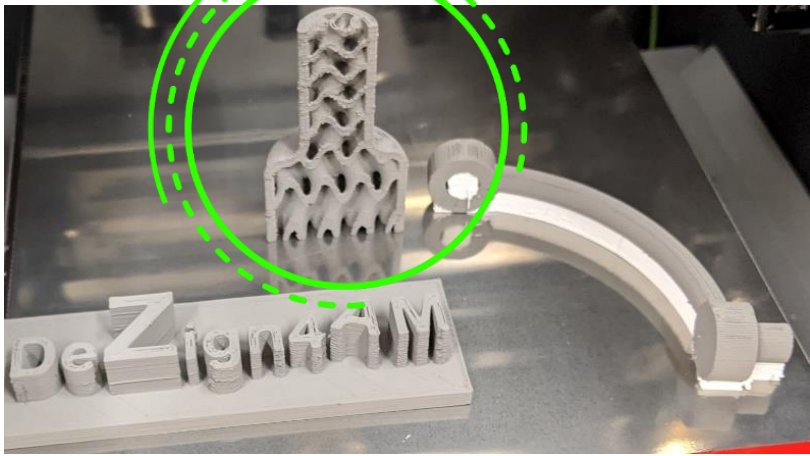
INDUSTRY Academia / Education
APPLICATION Research of intelligent manufacturing, DFAM, spherical parallel mechanisms, non-linear dynamics and vibrations

USAGE DETAILS

- Using system since late 2020
- 3D printing 17-4PH stainless steel and evaporative supports when needed
- Reports good accuracy
- Routinely uses 0.4 nozzle size

"One of my active projects involves methods to evaluate a metal-printed part in terms of its strength, hardness, toughness, and fatigue life. I use different techniques (AE sensors) to check the physical and mechanical properties of a printed part."





"It's super easy to use, especially for an environment like ours in an educational environment. We don't have messy chemicals ... It goes directly from the printer to the furnace. That is something I love about this machine. The learning curve is just a few hours for somebody already familiar with plastic printing.
- Ahmad Mohammadpanah, Dept. of Mechanical Engineering, University of British Columbia

ExOne