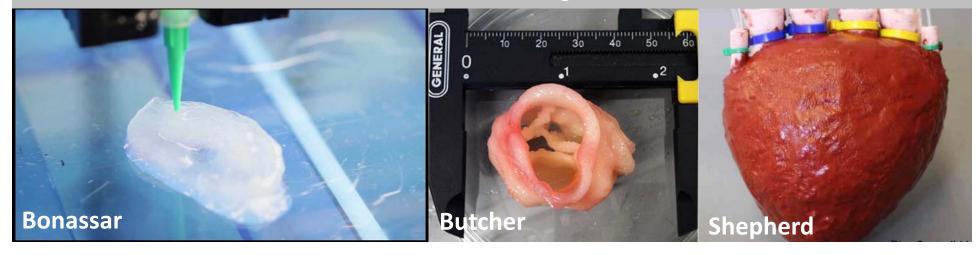


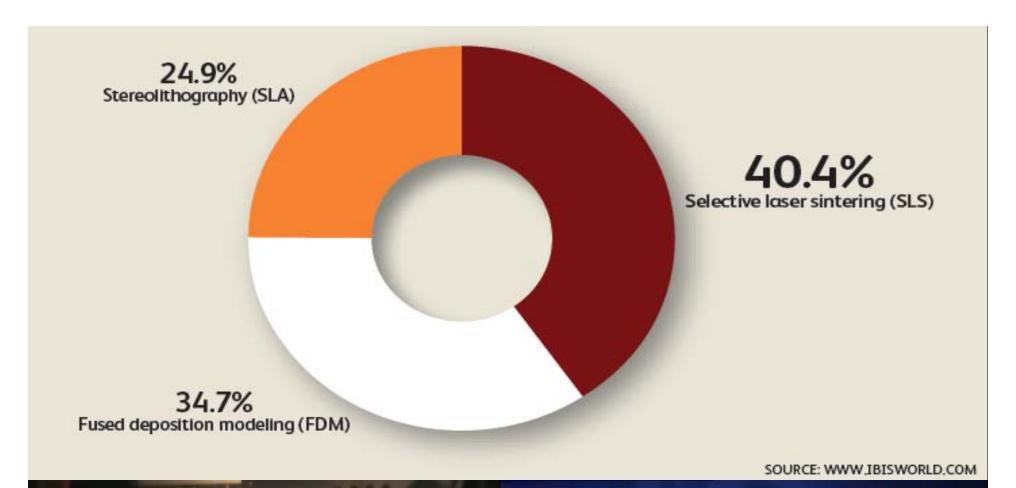
Total \$492.4m

SOURCE: WWW.IBISWORLD.COM

Biomedical Device Printing @ Cornell

Construction and architecture companies





Stratasys – Fused Deposition Modeling

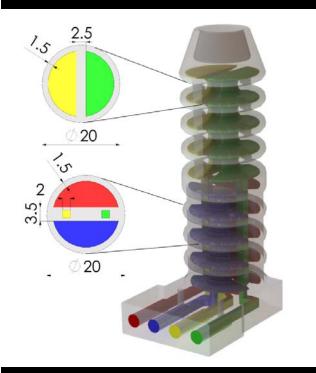
EOS – Direct Metal Laser Sintering

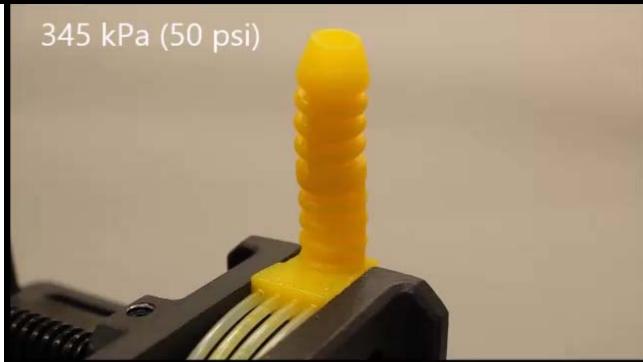
Stereolithography



- 3D printing via chemistry
- Fastest 3D printer
- No layering effect monolithic part production

3D Printing Machines





*Peele, et al. Bioinspiration & Biomimetics (2015)

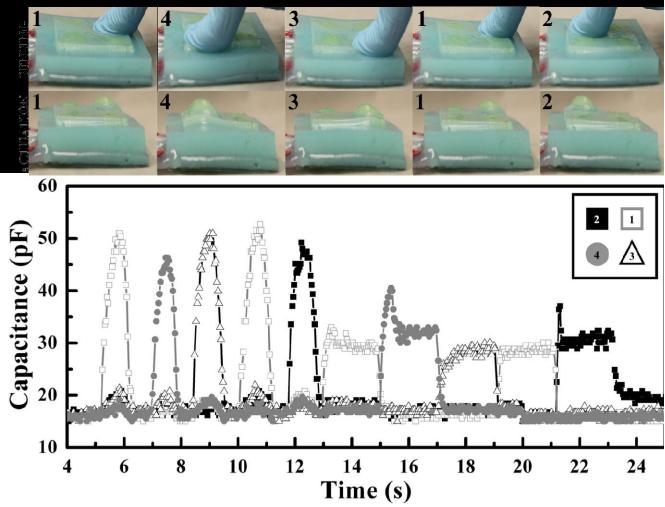
3D Printing Sensors

Transparent, Insulating Rubber



Transparent, Conductive Rubber



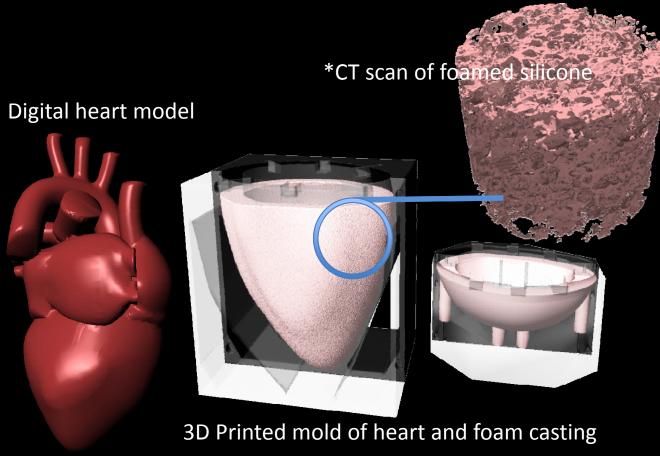


*Robinson, et al. Extreme Mechanics Letters (2015)

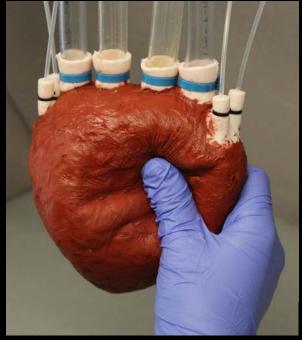
3D Printing Sensors Onto Actuators



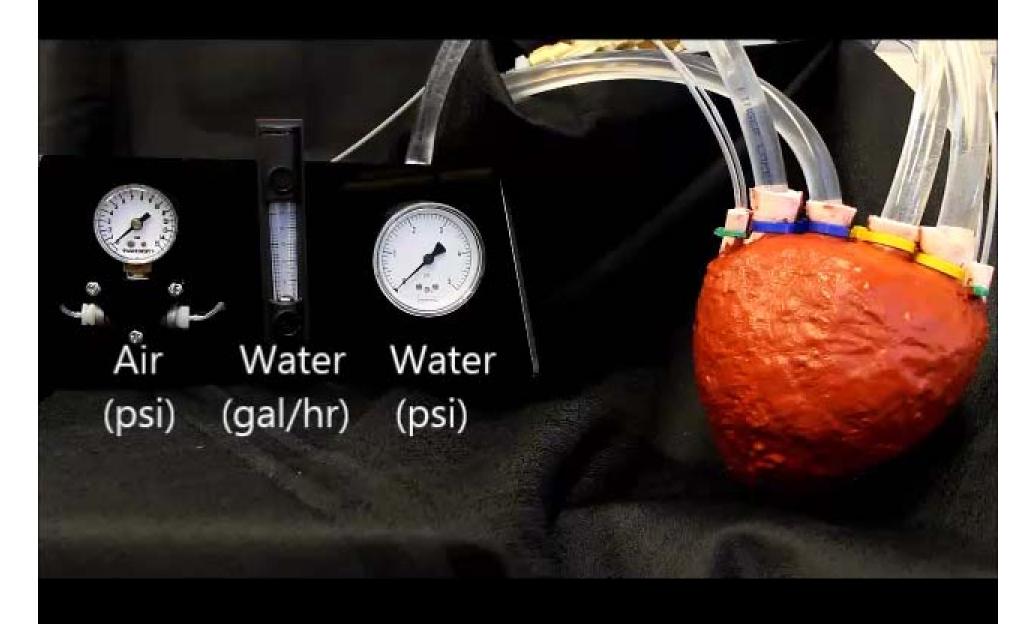
Additive manufacturing of foam hearts



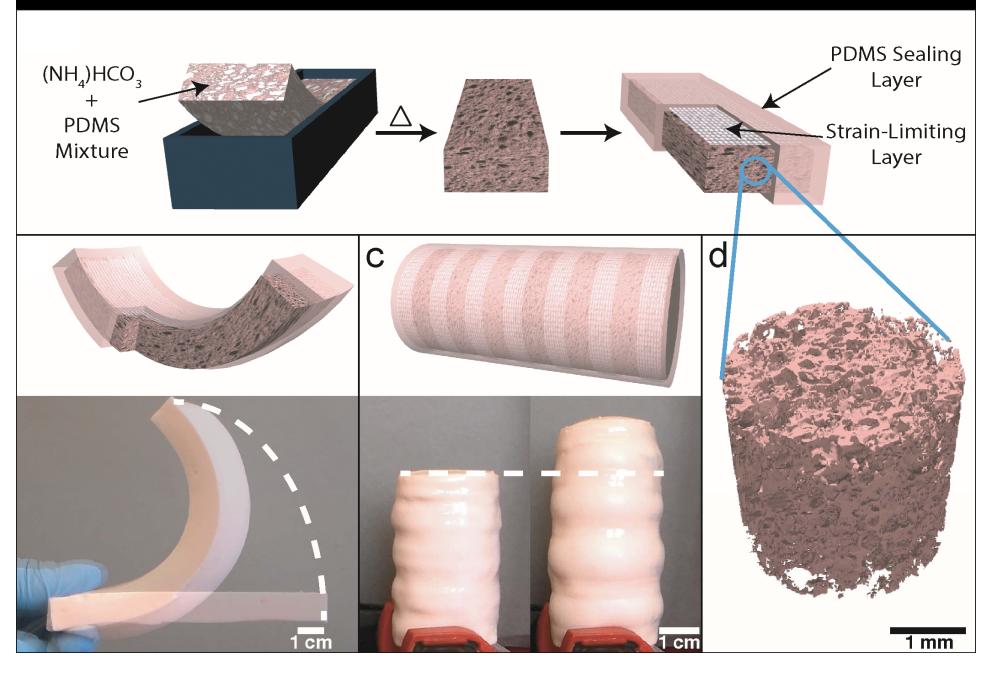
Assembled heart pump



3D printing synthetic biomedical machines



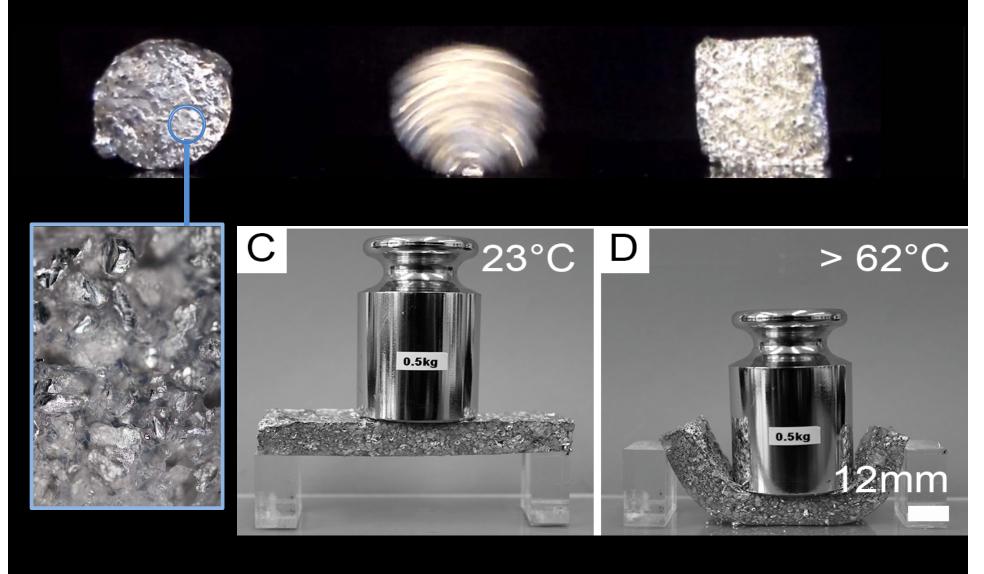
Casting foams for soft machines



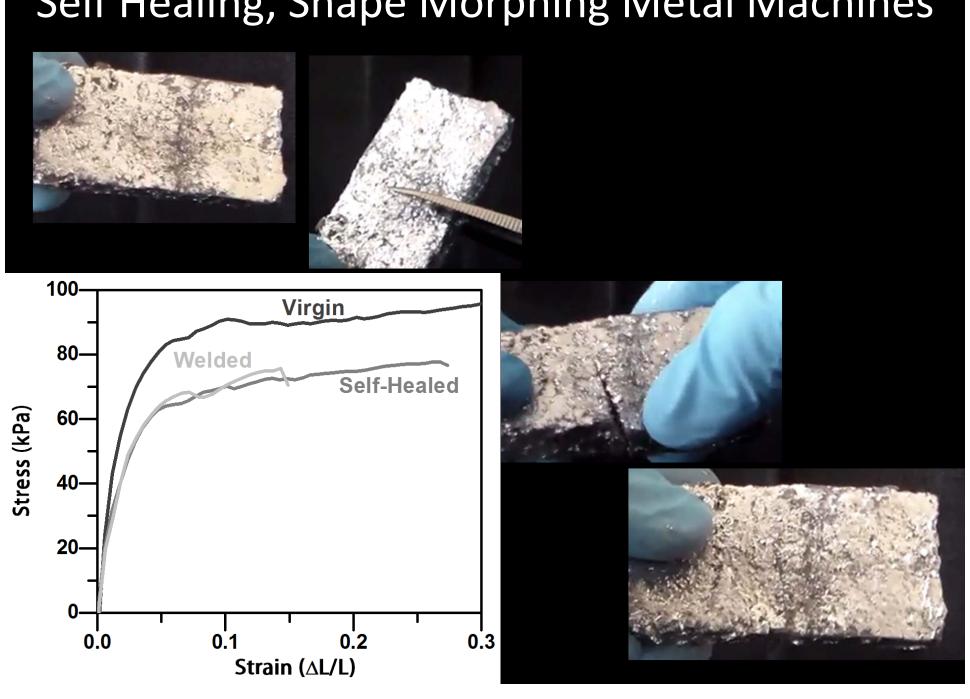
Self Healing, Shape Morphing Metal Machines

*van Meerbeek, in preparation (2015)

Self Healing, Shape Morphing Metal Machines



Self Healing, Shape Morphing Metal Machines



Acknowledgements

