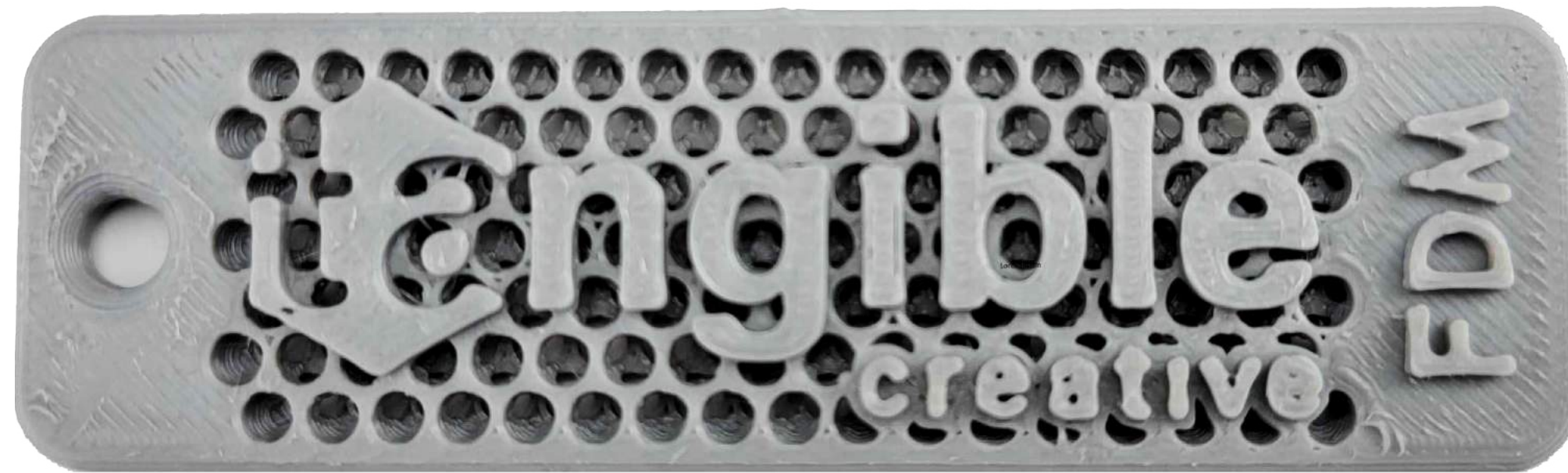


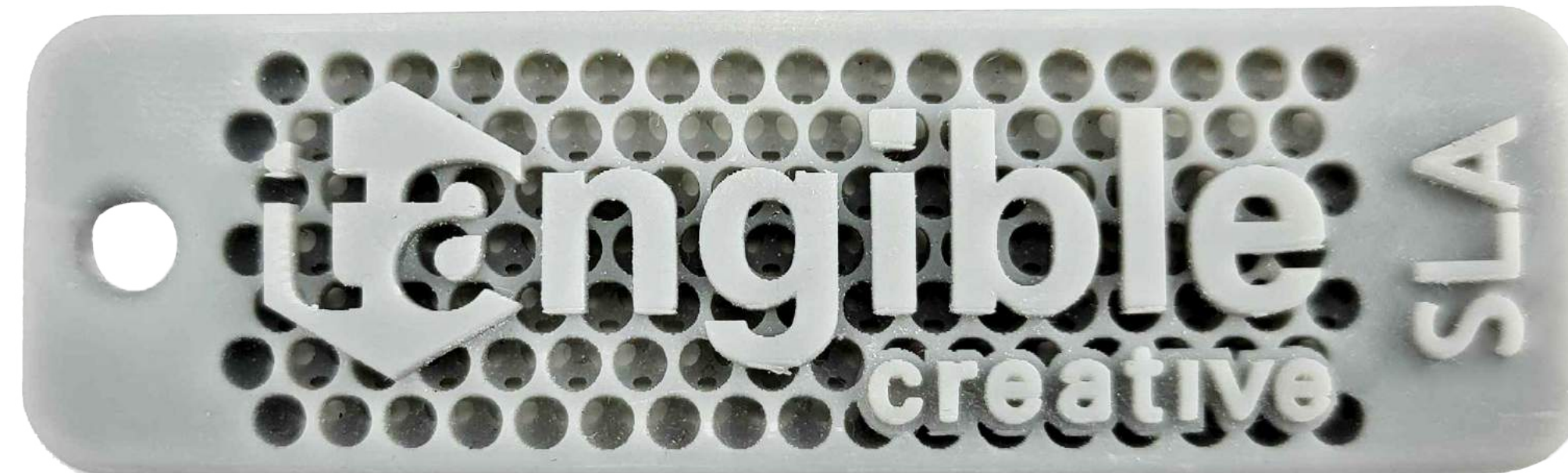


tangible creative

3D Printing and Industrial Design



Fused Deposition Modeling creates 3D prints by extruding layers of filament. FDM is generally lower cost with faster turn around times than other methods. It is therefore ideal for large production jobs with tight deadlines. Plant based materials such as PLA can be used for FDM 3D Printing. As a result it is the most sustainable additive manufacturing practice.



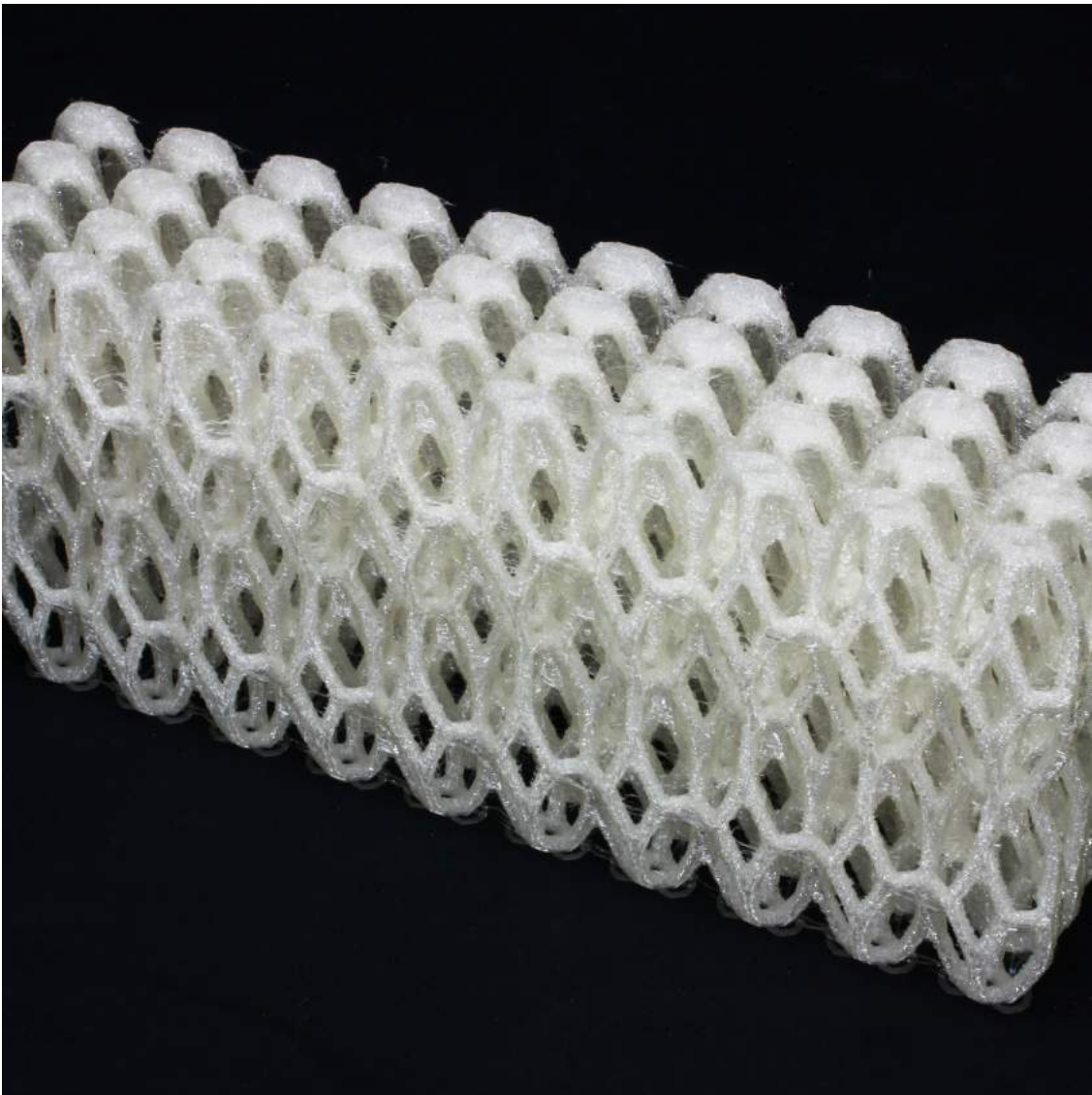
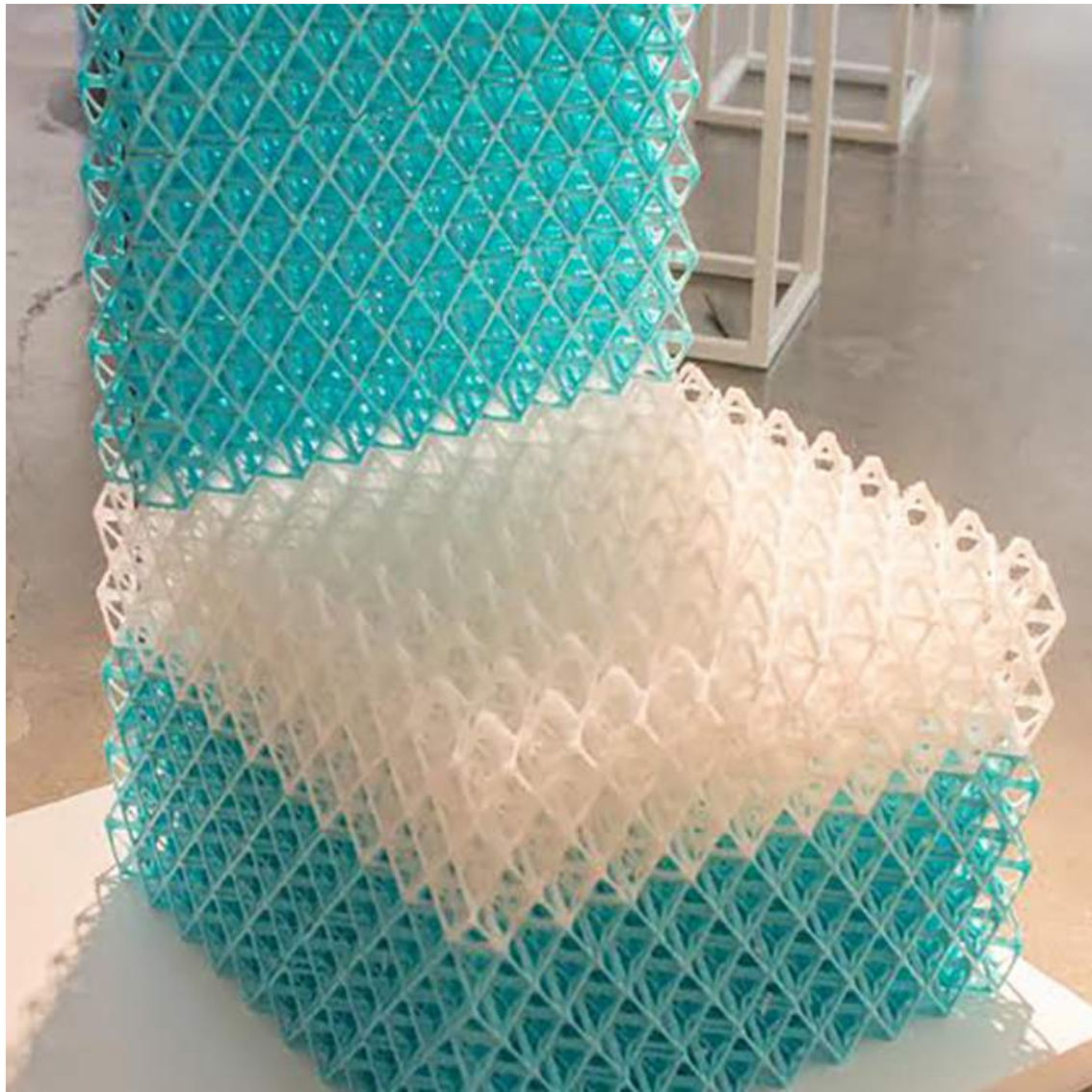
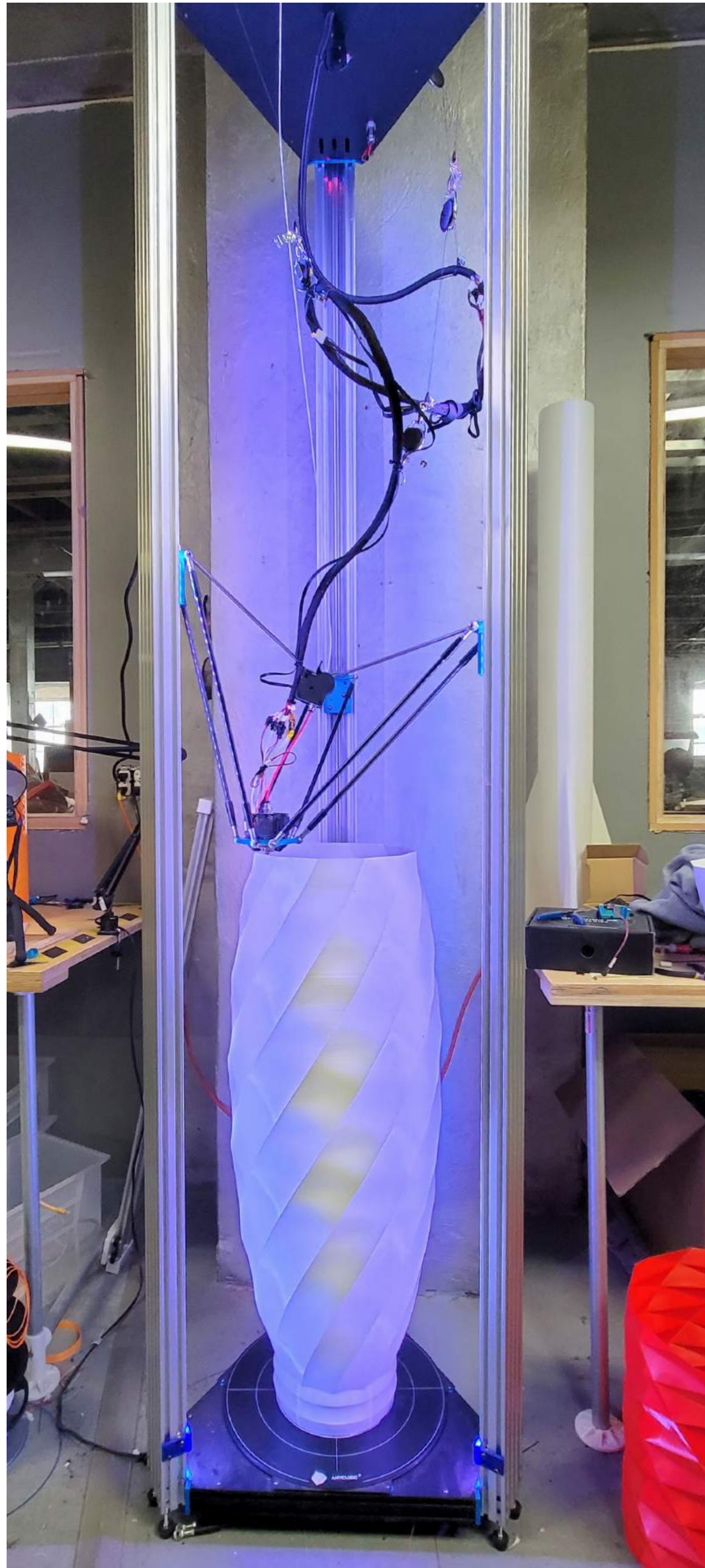
Stereolithography creates prints by curing layers of resin. With its smooth, high-resolution texture, SLA 3D prints can be sanded, painted, and clear-coated for a beautiful appearance. Resin is not as tough as other materials and therefore should not be used for parts requiring durability.



Selective Laser Sintering creates prints by fusing layers of nylon powder. Because the powder acts as its own support, this method of 3D printing is ideal for parts with complex forms and drastic overhangs. As a result SLS 3D prints can be used for a wide variety of functional parts and has a textured finish.

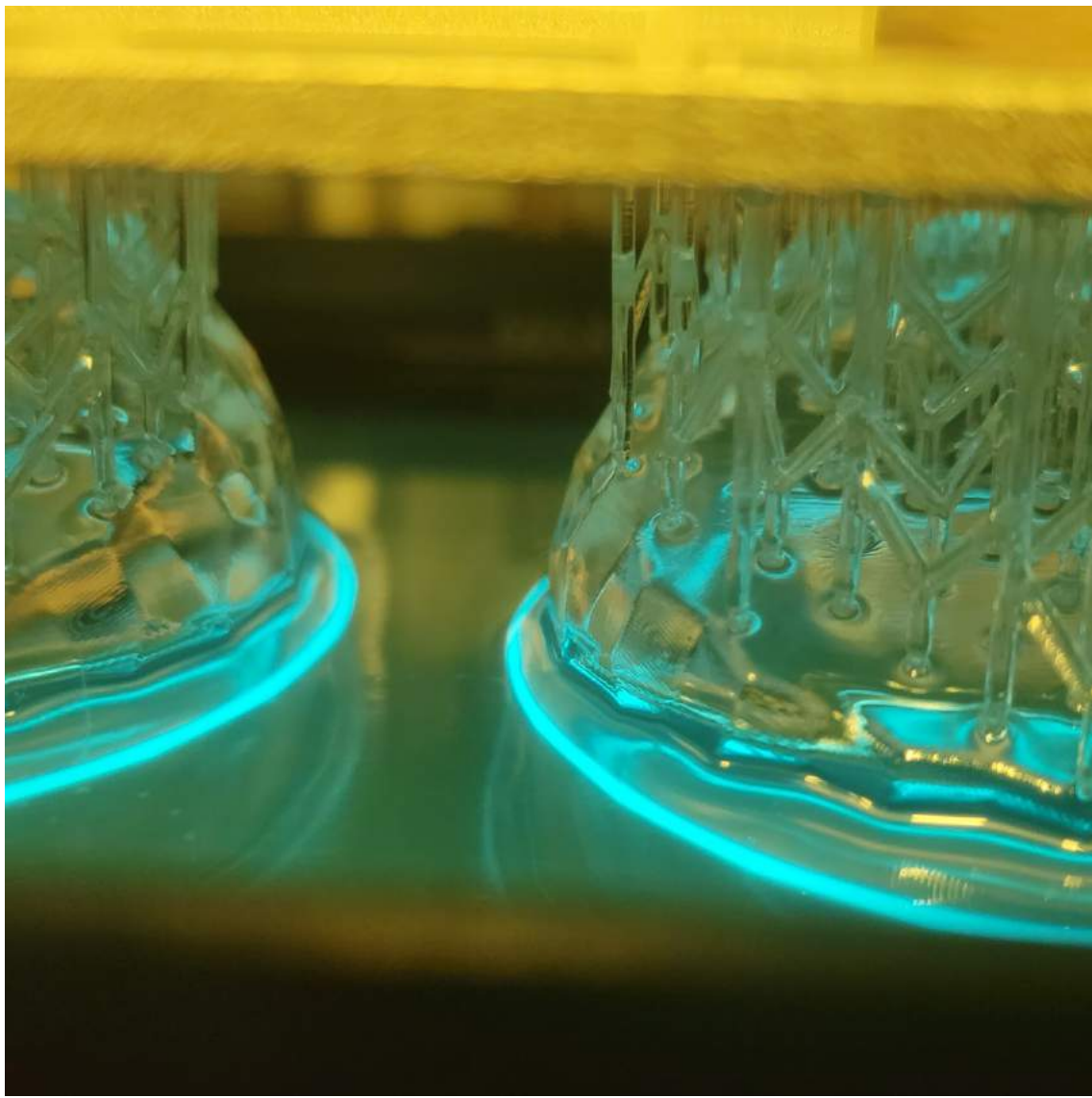
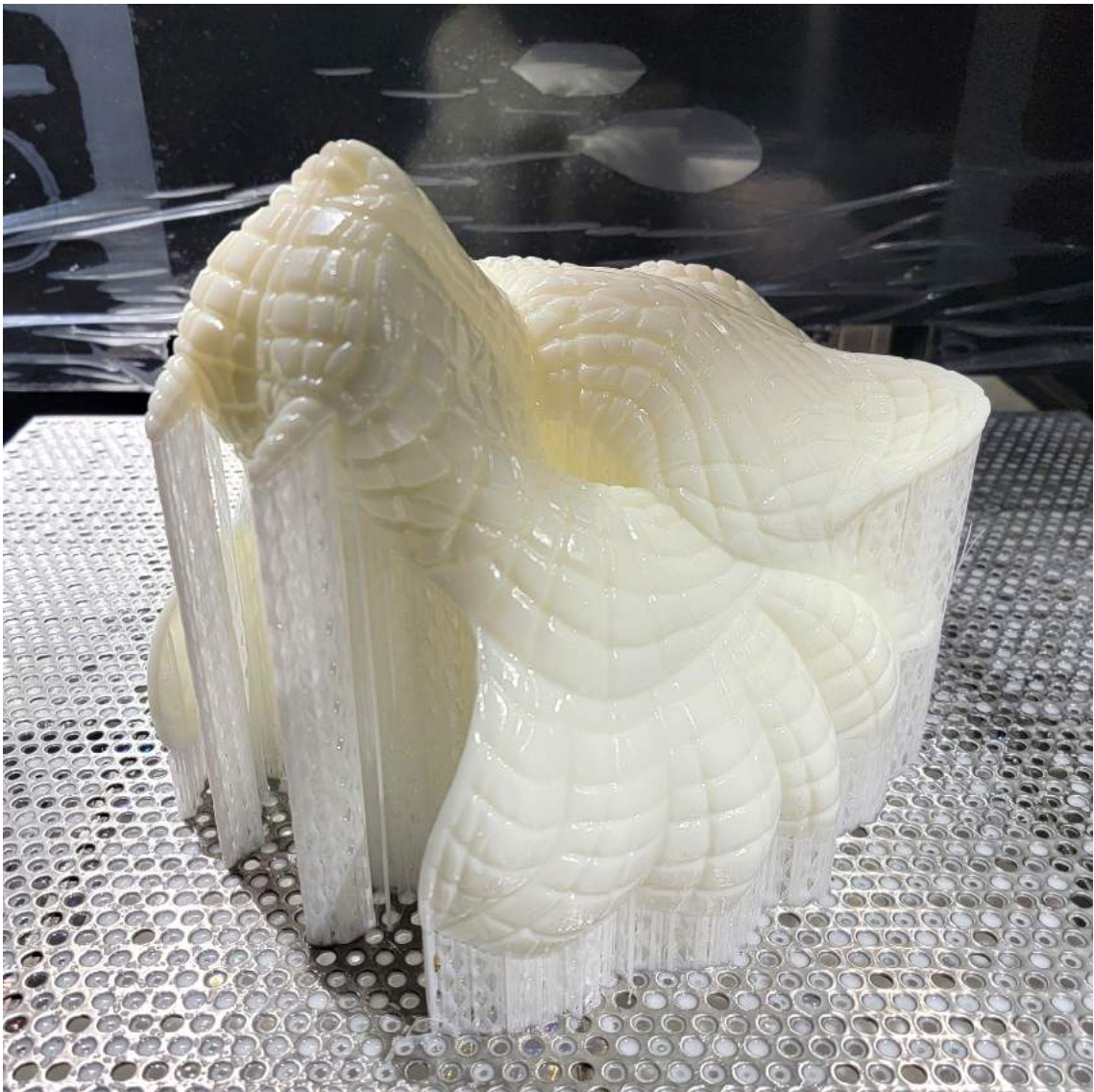
FDM (Fused Deposition Modeling)





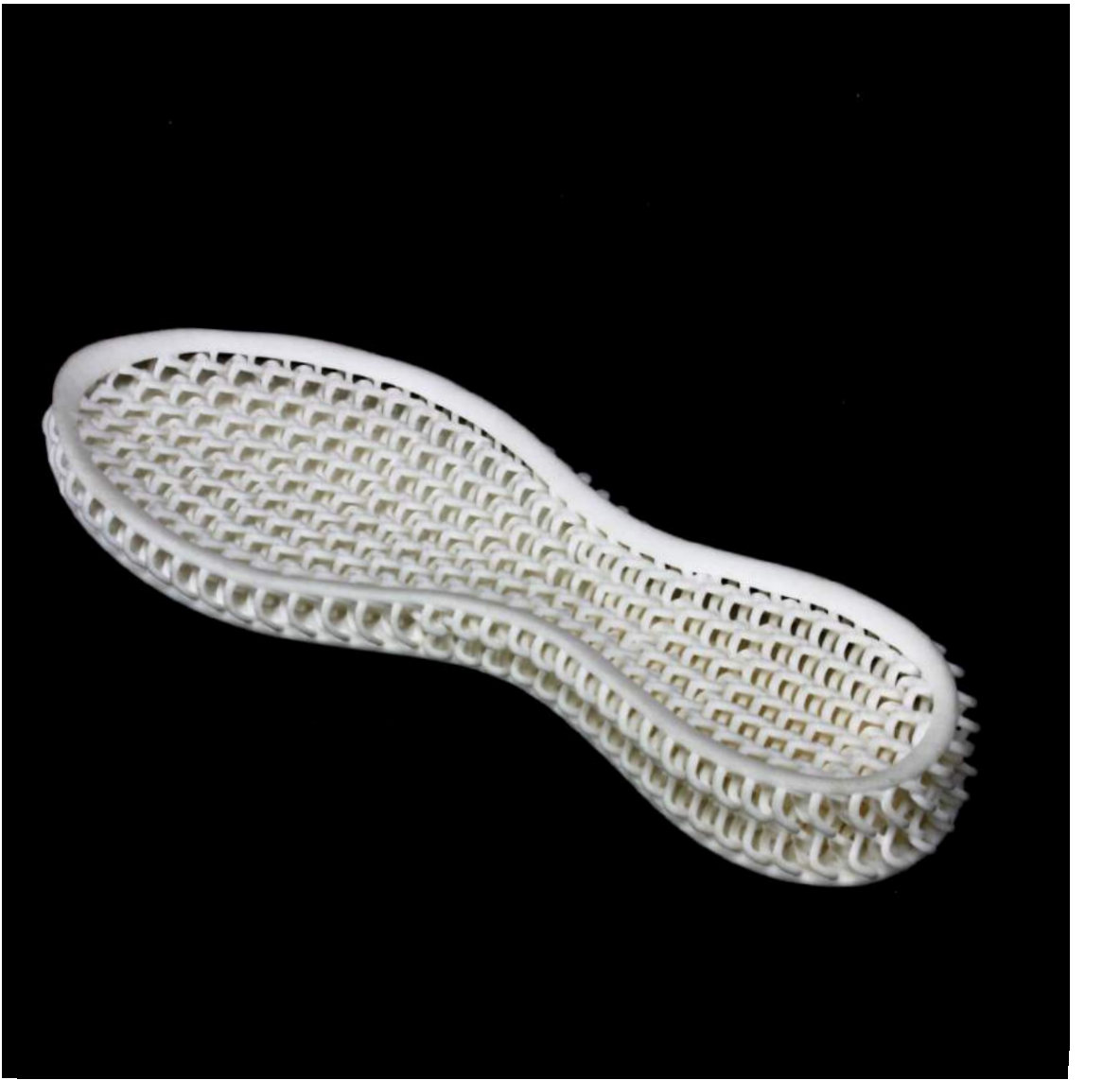
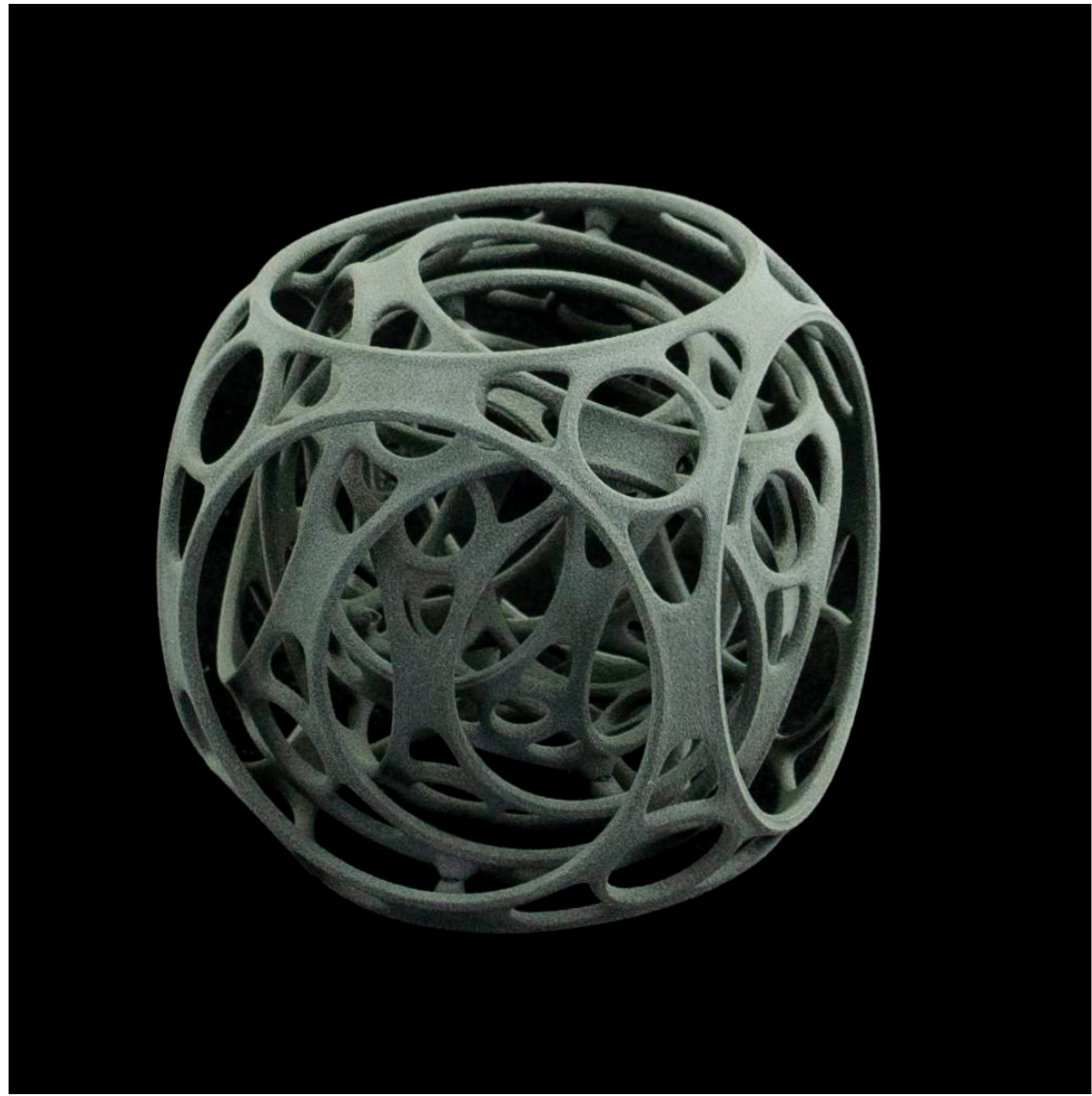
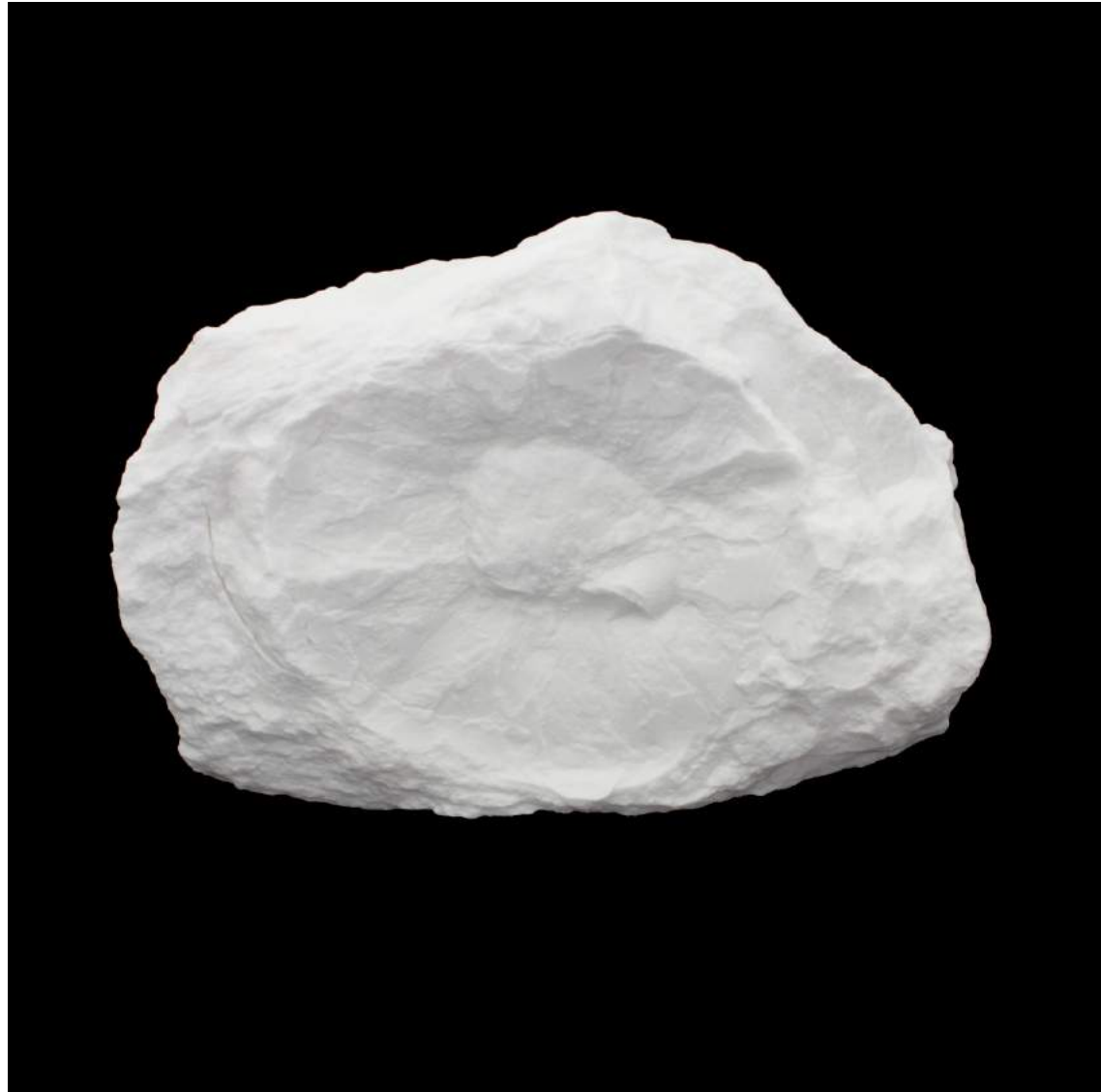
SLA (Stereolithography)



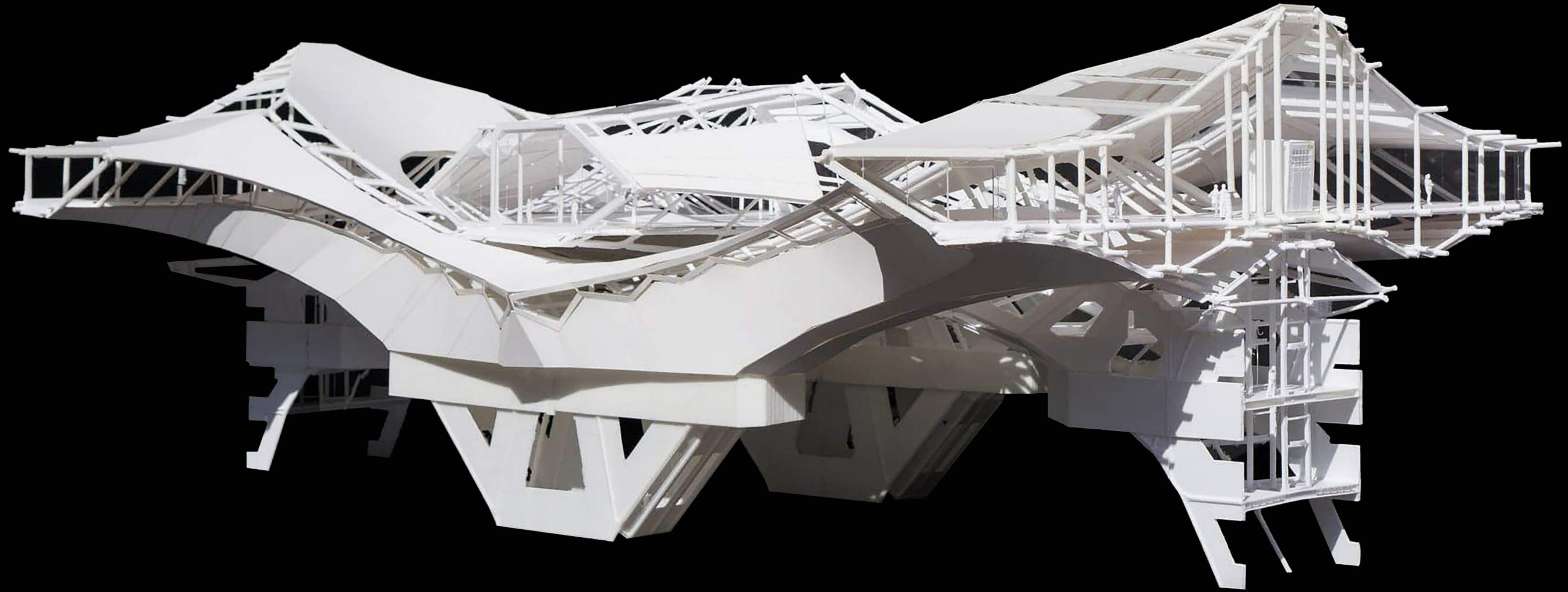


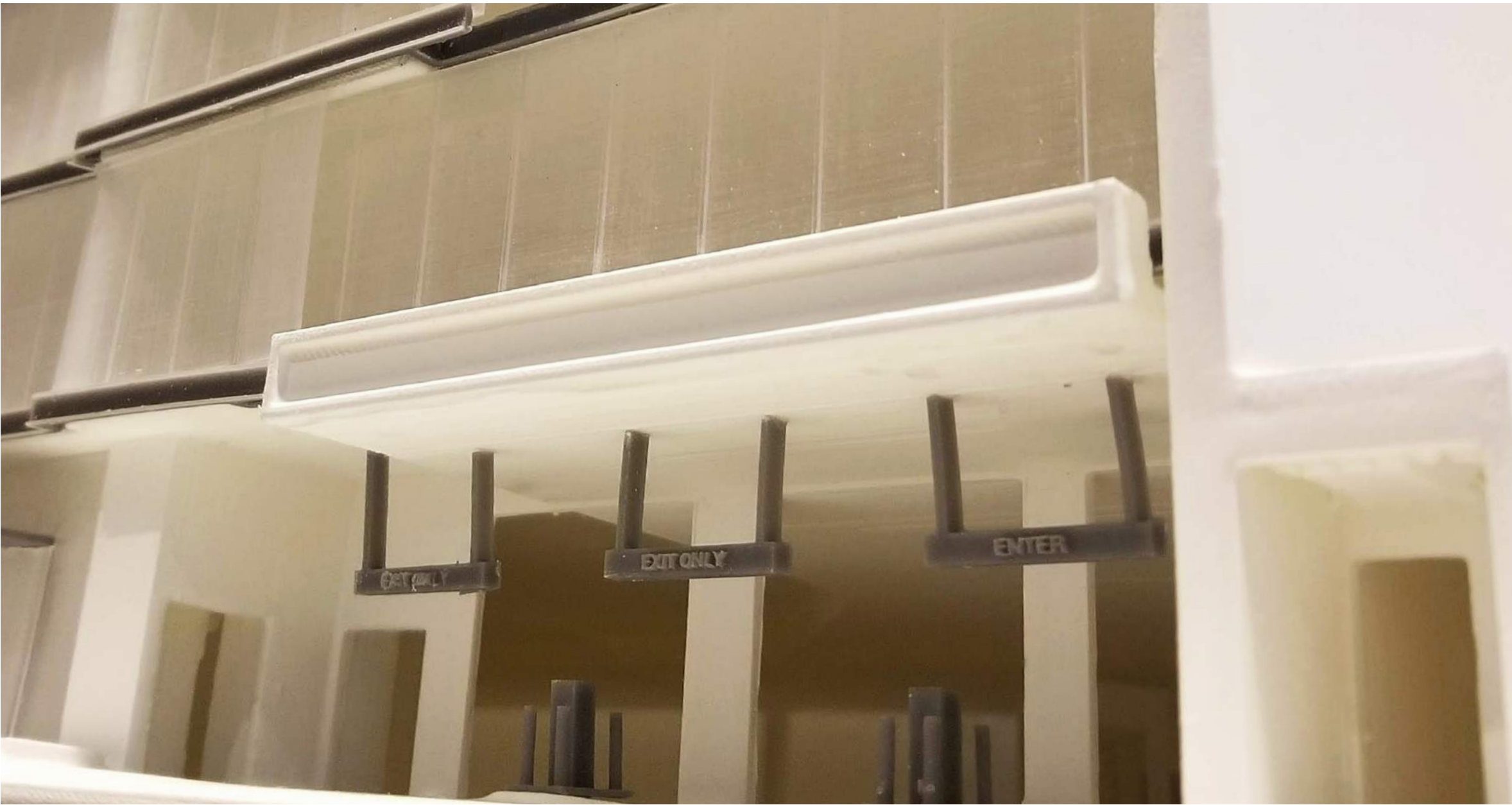
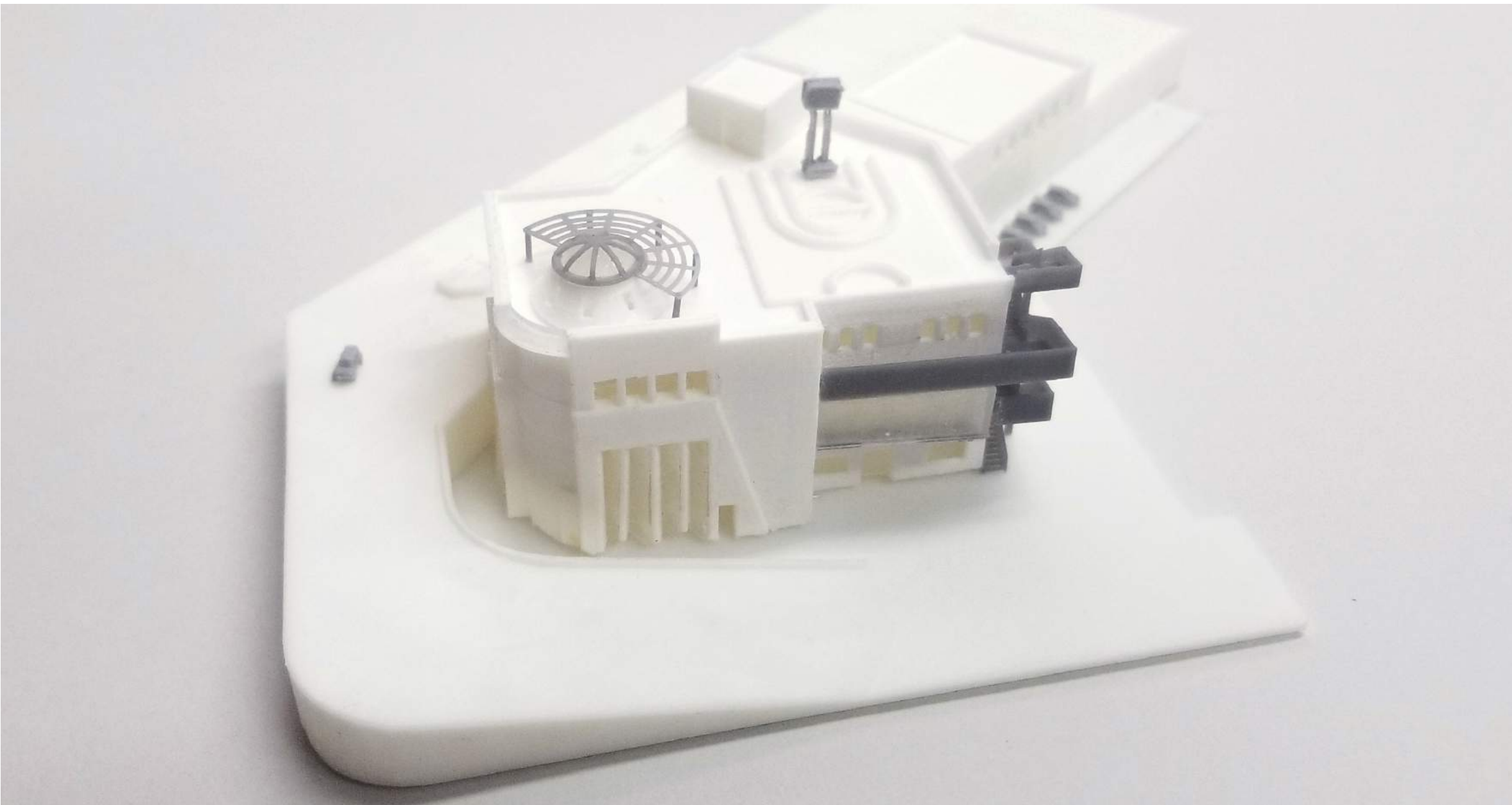
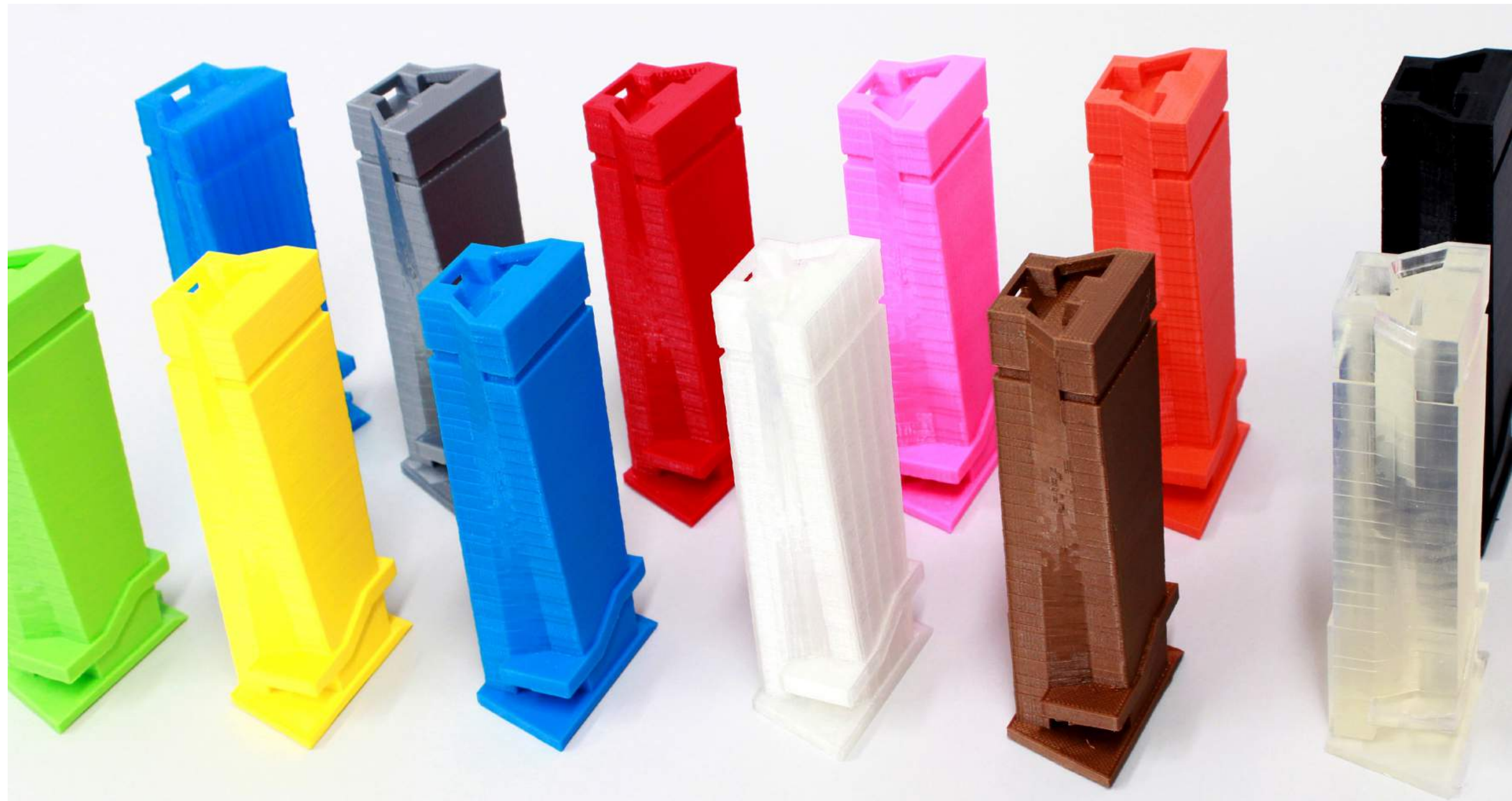
SLS (Selective Layer Sintering)





Architectural Design





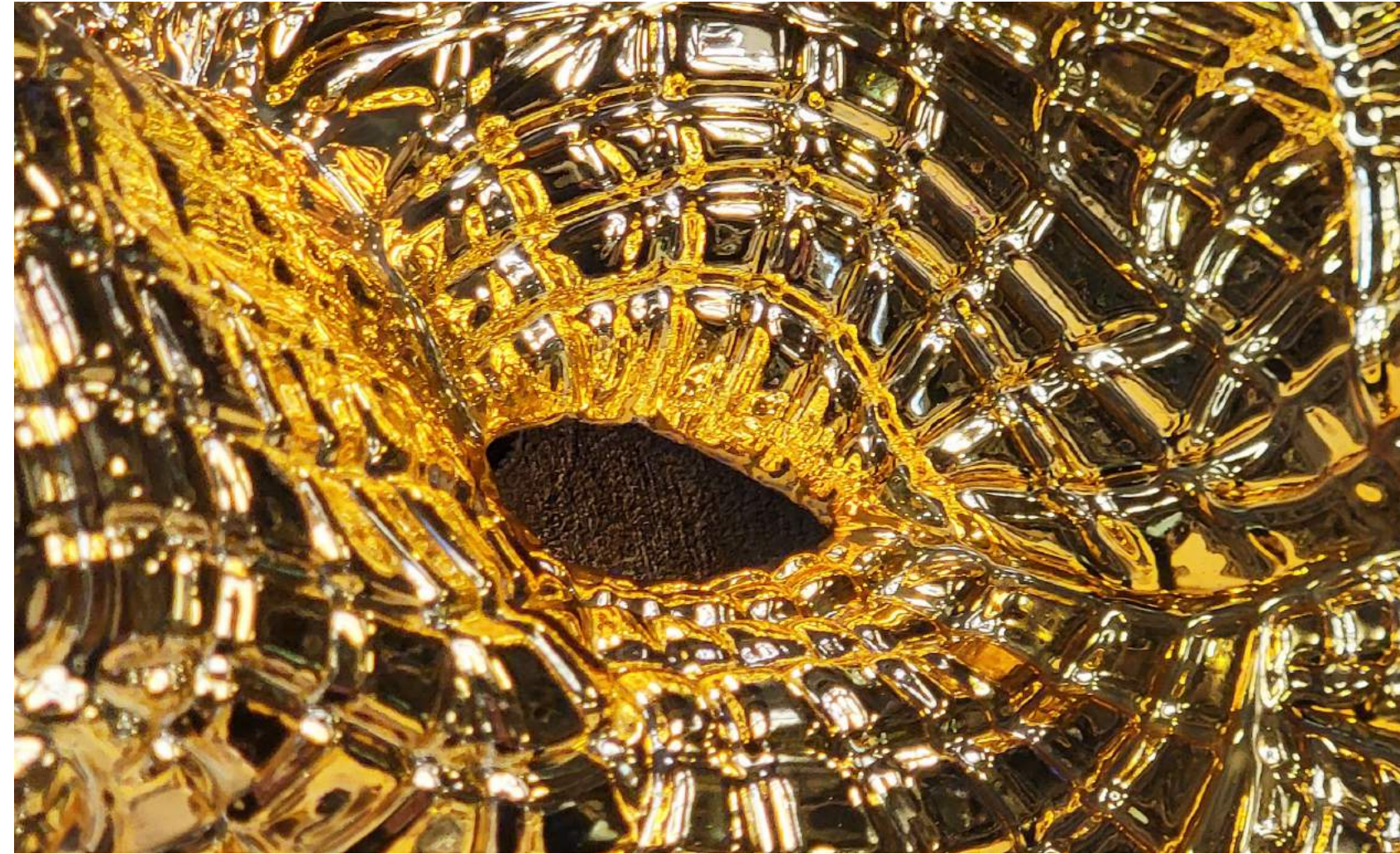
Finishing



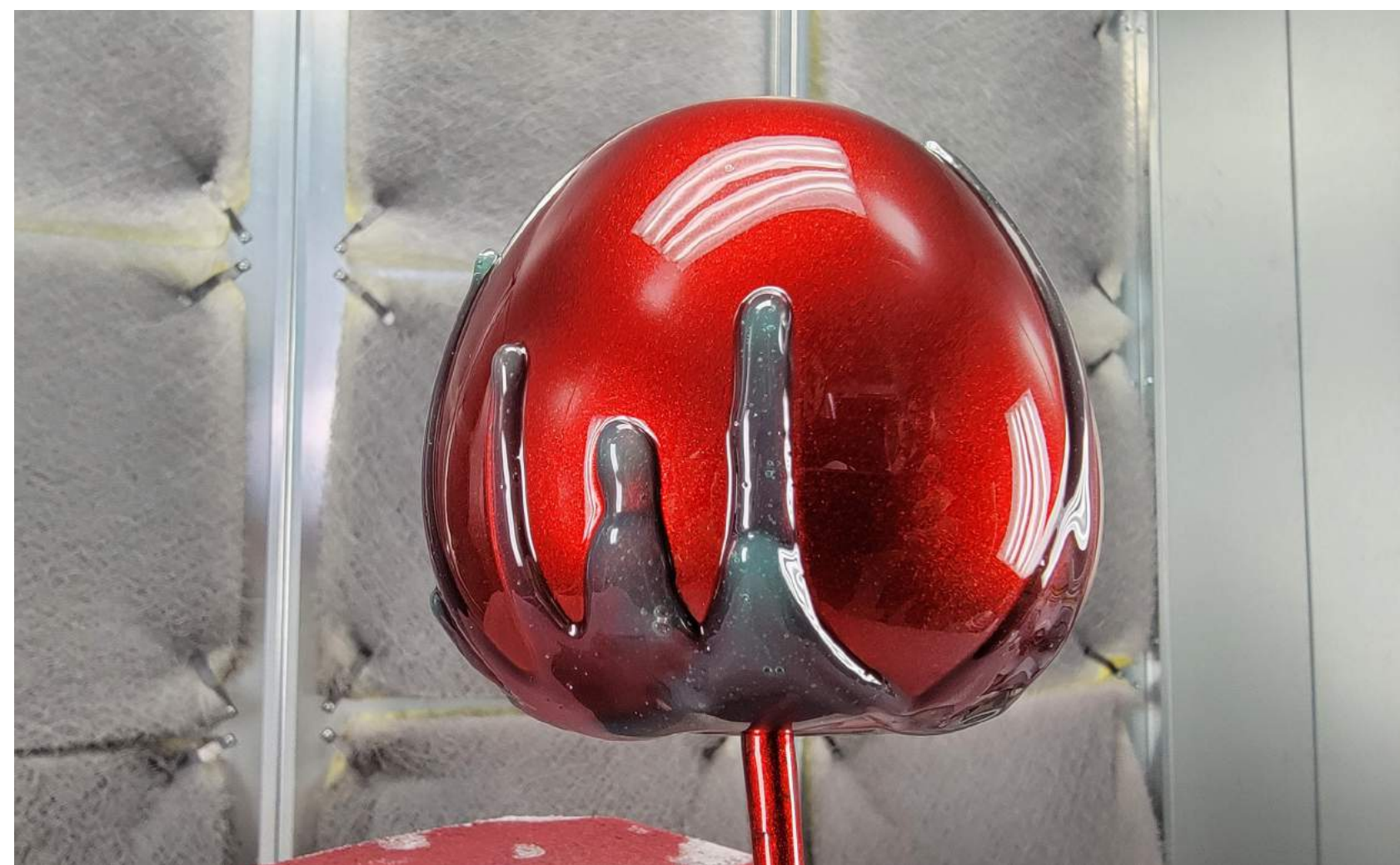
High Build Primer



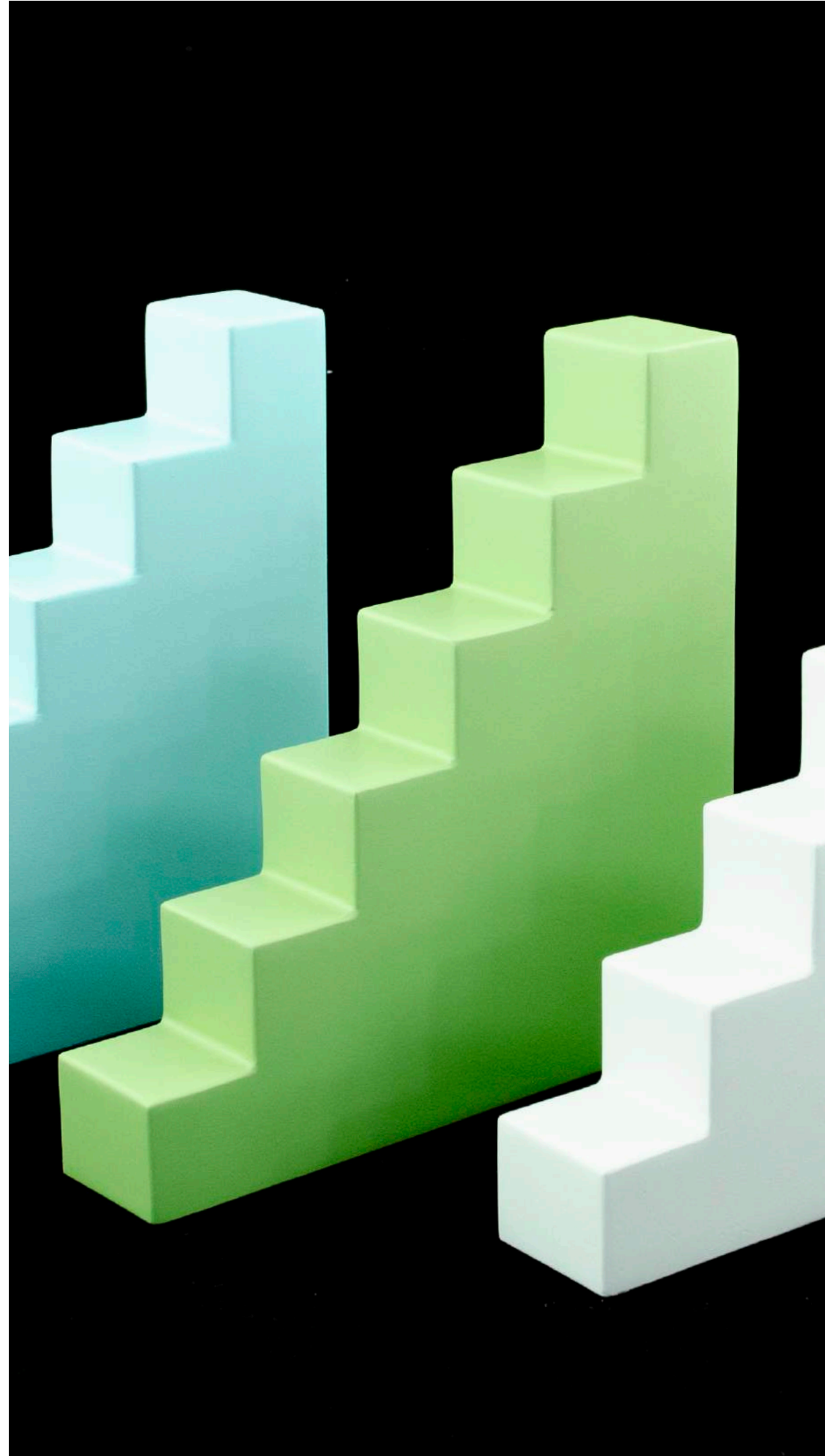
Chrome Finish



High Gloss Finish



Matte Finish



Color Matching



Design and Modeling



Services and Materials

FDM 3D Printing Materials

PLA (Polylactic acid) is a biodegradable thermoplastic derived from plants. With high tensile strength, it is the preferred material for FDM 3D printing and prototyping. Tangible Creative ensures all PLA printed products are properly recycled for reuse. 3D-printed parts made of PLA can be biodegraded within a year, given the right environment and thus adheres to our sustainability clause.

TPU (Thermoplastic polyurethane) is a thermoplastic elastomer. With medium tensile strength and high flexibility it is used for projects that require movement, agility and interaction.

PETG (Polyethylene terephthalate glycol) is a thermoplastic polyester with high impact strength and ductility. PETG maintains high temperature resistance against heat and sunlight exposure. PETG printing requires high-heat printer heads.

Decal & Vinyling

Detailing is available with our finishing services. Our fine tooth knife can cut down to a 2 millimeter text with precision.

SLA 3D Printing Materials

Standard Resin produces moderate strength parts and is brittle. It is commonly used in desktop SLA printers and is ideal for prototyping aesthetic models.

Medical Grade Resin are biocompatible certified. Specific Medical Grade resin categories do not produce any toxic reaction when in contact with living tissues. It is often the preferred application for dental retainers, surgical tools and prosthetics.

Engineering Resin has versatile material properties. Commonly used Engineering SLA resins come in: flexible resin, durable resin, and castable resin. This variety of resin-types make creating working parts with unique properties possible.

SLS 3D Printing Materials

TPU-SP65-Black (Higher Shore rating than most other TPUs)

PA12 Unfilled-White

PA12 Black Dye

PBT – White

Who We Work With:

