

## 3D PRINTING FOR THE LUXURY INDUSTRY

# INTERNAL STRUCTURES

Design for Additive Manufacturing allows for completely innovative structures which can change the way luxury goods are made. For structural components in handbags, hats, luggage, or cases, 3D printing presents new opportunities for product innovation and optimization.

- **Structural Frames**
- **Clips**
- **Brackets**
- **Fixtures**

### Reduce Weight

With lattice structures and fewer components such as metal fixtures, brackets, and fasteners the weight can be greatly reduced while ensuring a strong and resistant part.

### Optimize Production

Integrate guides and positioning markings into the structure to facilitate uniform assembly and minimize waste or rejects.

### Simplify Assembly

Minimize production time with fewer components to assemble in the final product.

### Fast development

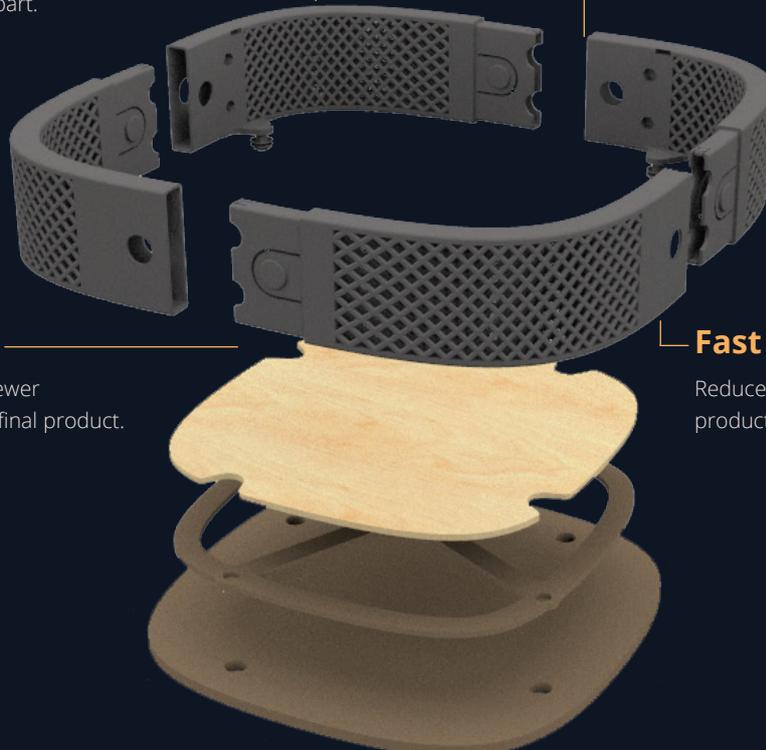
Reduce time between prototyping and production

### Combine Digital Manufacturing Technologies

Make the most of 3D printing and laser cutting to lower costs and benefit from the strengths of both technologies.

### Minimize Costs

Reduce costs and sourcing for brackets, clips, threaded fasteners or other fixtures by designing them right into the structure.



## Properties:



### Impact Resistance

Parts are strong, resistant and able to withstand strong forces without bending or warping.



### Lightweight

Lightweight materials and hollowed designs make final products lighter and easier to transport.



### Accurate

Precise 3D printing creates consistent and true to size parts to ensure repeatability of final goods.



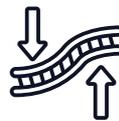
### Watertight

Watertight and water resistant materials ensure your products function in environment.



### Durable

With Nylon PA12 and lattice structures, parts are built to last and able to withstand your mechanical constraints.



### Flexible

Ultraflexible TPU give your soft-sided products structure but with a softer touch.

## The 3D Printing Advantage:

### ✓ Prototypes to small series to mass-production

3D printing grows with your business; accomodating any scale of production without minimum orders.

### ✓ Flexible, on-demand manufacturing

Minimize inventory costs, production overruns, and obsolescence; produce only what you need, when you need it.

### ✓ Fastest lead-time

Unexpected orders, tight deadlines, and new product launches are no longer an issue.

### ✓ Optimized Production

Our experienced team maximizes the number of parts per batch to reduce the cost per part and optimize capacity.