Continuous Fiber Reinforcement (CFR)

1

DESCRIPTION

Max build volume: 132x154x320 mm

For mechanically stressed components, we offer 3D printed parts using the CFR process.

These are as strong as machined aluminum components, but for a lower price. The components can be designed according to the required mechanical needs.

We propose this method for prototypes and for small series, which are mechanically and physically under tension (for example vise jaws for CNC milling and CNC turning, covers and machining parts)

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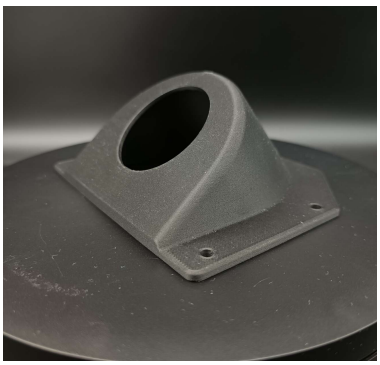
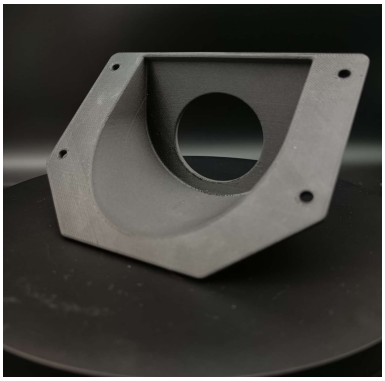
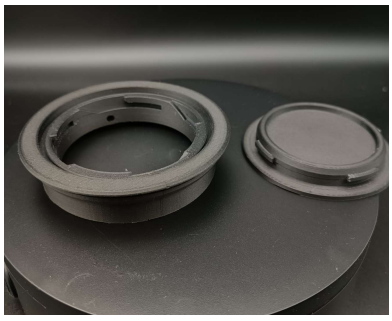
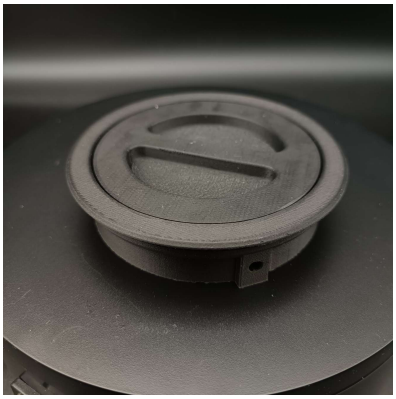
CABLE-COVERS





BAYONET-LOCKS





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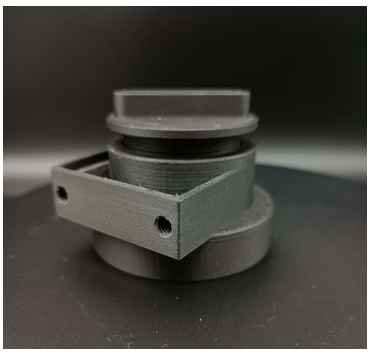
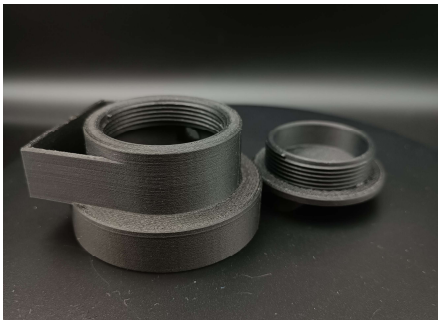
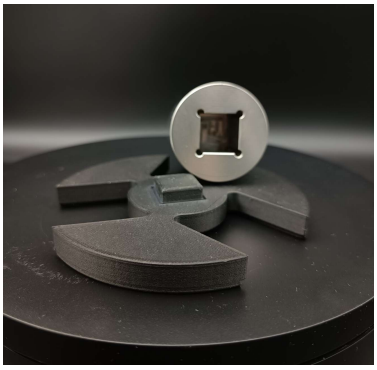
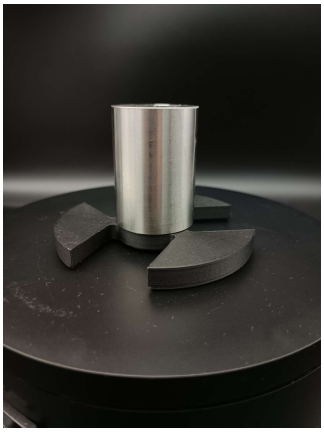
EXTERNAL- AND INTERNAL-THREADS





FIXTURES FOR 3-JAW CHUCKS





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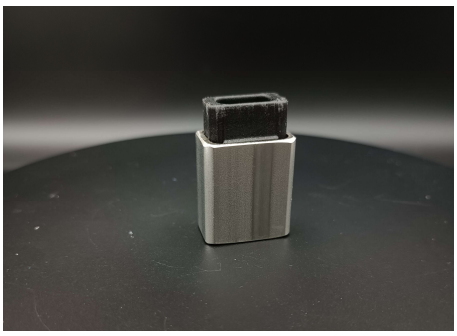
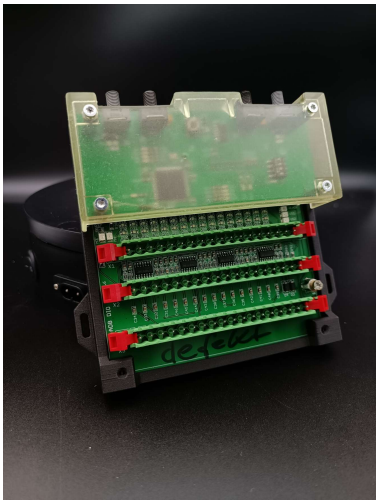
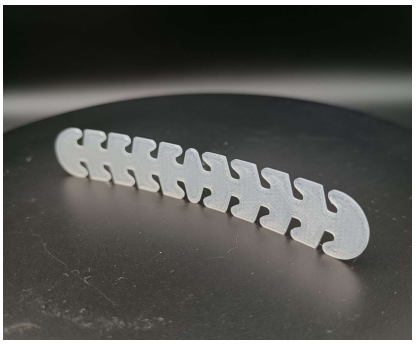
PIPE CONNECTIONS





PLAQUE MOUNTS

NYLON EARPROTECTORS



Liquid Crystal Display (LCD-3D printing)

2

DESCRIPTION

Max build volume: 219x123x250 mm

This printing process is the only one that is suitable for waterproof and food-safe printing with special photopolymers!
LCD printing produces incredibly accurate models with flawless surface quality and fine detail. Which is why miniatures (e.g. Dungeons and Dragons) are often produced using this process.

This is also a very good method for making casts for vacuum casting molds!

We suggest using this method for parts with a lot of detail or visual purpose. Furthermore, it is easier to produce small series of parts since the number of components on the print bed is irrelevant to the print time.

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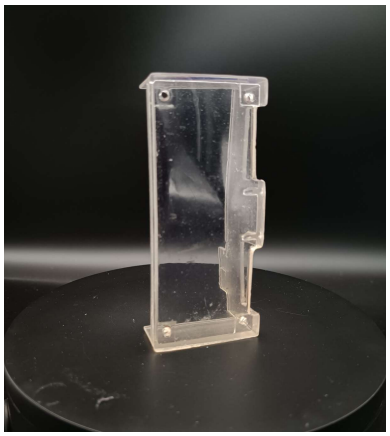
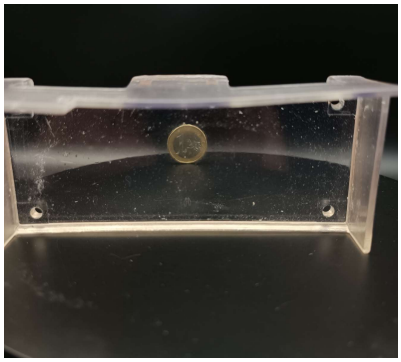
TRANSPARENT





SCULPTURES

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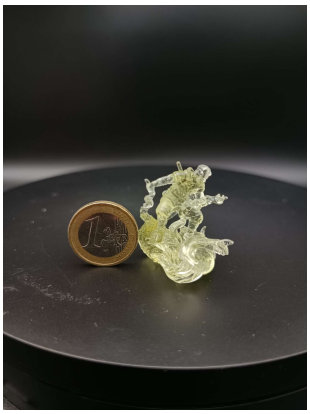
MINIATURES



Fused Deposition Modeling (FDM)

3

DESCRIPTION

Max build volume: 500x500x500 mm

In addition to fiber-reinforced (CFR) and SLA, we also offer FDM 3D printing, i.e. conventional 3D printing.

On the one hand, we offer the materials ABS and PLA, which are in stock in different colors, but also other materials (PETG, PVA, ABS-T, PP,…) by arrangement.

We suggest this procedure for test prints, small series and medium series (100 pieces).

Mechanically, these are not very resilient. This method is therefore more suitable for prototypes, parts with less mechanical use or promotional gifts (keychains, tablet stands or business cards).

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MODELS

TABLET AND SMARTPHONE-STAND

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BUSINESSCARDS

COSPLAY

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