

# Dark Satine chair

- 3D PRINTED FROM UPM BIOCOMPOSITE
- DESIGNED BY XUBERANCE

The "DARK SATINE" 3D printing chairs design is inspired by the appearance of silk fabric. It is printed with UPM Formi 3D composite using large-scale 3D printing technology.

The chair is a perfect combination of advanced materials and printing technology, not only retaining the layered characteristics of the printed product, but also having a distinctive texture from the large-scale robot-based 3D printing.



### Freedom of design

The combination of digital modelling and robot arm allow designers the freedom to design different kinds of variations and infinite shapes.

“The layered lines produced by the additive manufacturing method further integrates to the design itself, reminding the user of the extraordinary birth of this furniture”, says the team of designers from Xuberance, China. Xuberance’s designers team adheres to the sculptural “extreme glamorous” design style.

The unique and pioneering design, brings a spectacular feeling, redefines the life style and quality, is deeply admired and appreciated by the unique, cutting-edge, ambitious, and creative “new hedonism”.

### Main benefits of using UPM Formi 3D material:

#### Efficient manufacturing

- Scrap rate of production is virtually 0%
- Weight is reduced to minimum



#### New sustainable alternative

- Biobased materials are 100% recyclable
- UPM Formi 3D biocomposite is not only sustainable material but also has the right product properties for this purpose

### Natural touch and light colours

Various colour options with a matte surface texture are possible thanks to the pure lignin-free cellulose fibres.

### Sustainable biocomposite

The biocomposite is a functional bio-based reinforcement fiber. Its carbon foot print is 50% less compared to traditional oil-based materials.



### Printing high overhangs

Self-supporting molten state properties and fast cooling enable round and other complex shapes to be produced. With UPM Formi 3D 20, it is possible to print up to 5-degree overhangs without support.



### Post-processing

Wood-like post-processing with a matte surface texture makes UPM Formi 3D the ideal material for any further processing needs.

### Partners

