

MANUFATUR  
**MOS**

**BRAND | DESIGN | CAPABILITIES | PRODUCTS**

# Manufaktur Mos

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We as **Manufaktur Mos** want to work with you to develop unconventional solutions for unique ideas and turn them into reality by combining traditional craftsmanship and modern design to perfection.

As a brand of **Schäfer GmbH**, which has been successful for 120 years, we want to set a new focus on individual products with young design.

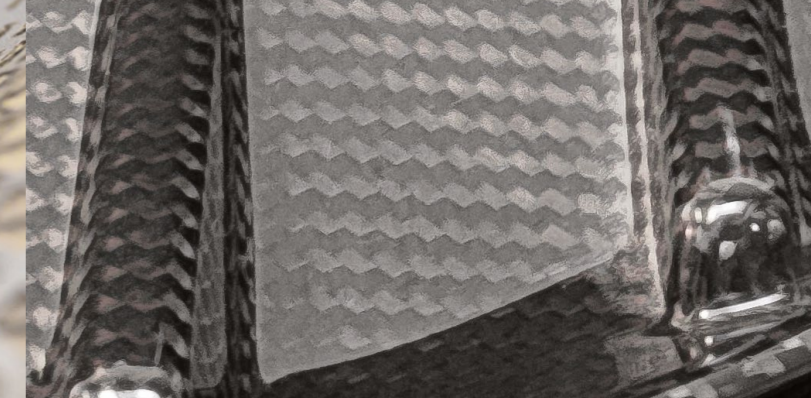
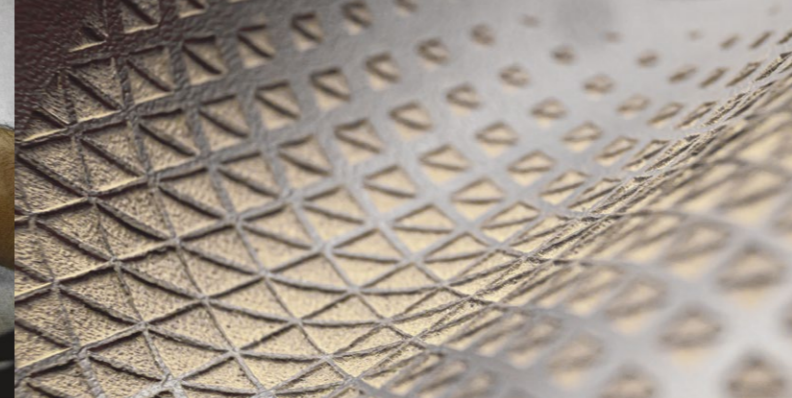
In architectural, store or yacht building projects, countless details must be taken into account to create an **atmosphere** that captivates. Most decorations and building elements are mass-produced goods - but it is precisely these objects that need to be thought through so that they can convey the **spirit of the overall concept**.

**We take care** of these subtleties, listen to your needs, understand your thought & work with you to find the missing piece of the puzzle.

Because our concept development is directly linked to manufacturing, we can act quickly and freely within our company.

» *Our motivation is to round out your ideas with fresh design & unique objects.*





## Our Capabilities

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We have the possibility to develop concepts using digital design techniques and realize the shaping through the combination of modern manufacturing technologies and **high-quality craftsmanship**.

Our workshop provides traditional techniques of **woodworking, plastics, and metalworking**, up to high-tech **additive manufacturing** processes in plastic and metal (3D printing).

We achieve *the optimal finish* through various **surface refinements**, such as polishing and painting.

» *Our team combines **years of experience** with creativity to effectively utilize the range of our competencies.*



### Product development

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Conceptualization  
Design  
Planning  
Product design  
CAD



### Implementation

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Plastic & Metal Processing  
Model making  
Forming  
Machining

Composite materials (CFRP/GFRP/NFRP)  
Additive manufacturing in plastics & stainless steel

Carpentry & Joinery  
Upholstery work  
Lighting technology



### Surface finish

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Painting  
Polishing / Matting  
Metallizing  
PVD coating  
Refining  
Foiling

# Realizing ideas with us

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3D metal printed watch case



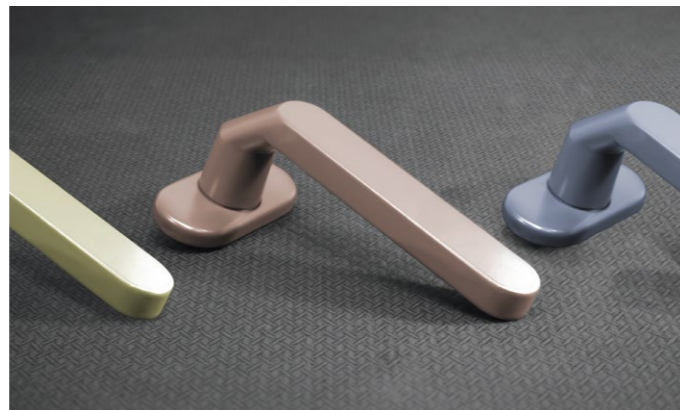
3D visualization of our Showroom design



3D metal printed custom handle shells; PVD coated



Customized door handle - draft



3D metal printed door handle powder coated



Porsche exterior mirrors -  
custom made for Sander Automotive



3D metal printed prosthesis modifications

# Creations

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## Furniture handles & door handles Boule series

In this collection, we combine door handles with the aesthetics of **3D printing**, resulting in handle sets with archetypal basic shapes, **refined** with extraordinary patterns. **Uniqueness and luxurious finish** make the series **high-end home accessories**.

High-quality and scratch-resistant coatings on **polished stainless steel** turn these handles into real eye-catchers and tactile delights, guaranteed to become the **topic of conversation**.

With 3D printing, we can create shapes that clearly **stand out** from conventional designs, and become astonishing highlights.

No expensive pressing or casting tools are required for manufacturing, which allows us to directly implement our designs.

» *To realize **first-class and individual detailed solutions** together with our customers, we see as a chance to meet the growing demand for **personalized and exclusive** objects.*



Boule series - Veorra Halo



Boule Collection Furniture Handles & Doorstops; PVD coated



# The laboratory

## Design concept for our Showroom

Our showroom is currently being built in the former **laboratory** of a plastic manufacturer, where we will **showcase our wide range of manufacturing technologies and expertise** through our own designs. The original purpose of the space serves as the namesake for our Manufaktur Mos showroom: **The Laboratory**. And it couldn't be more fitting.

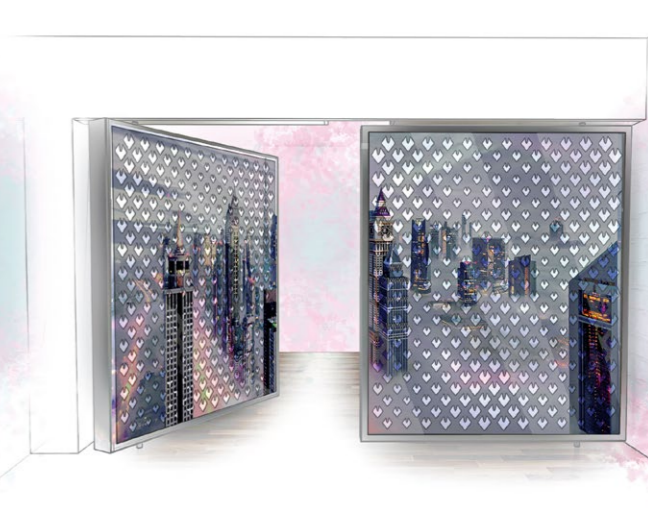
**Contrary to the simplicity** of current interior trends, we created a showroom whose design is dominated by **free forms**. In this way, we want to clearly distinguish ourselves from system furnishers in order to **open up the possibility** for planners and designers to realize unique special objects. Thus, we do not see ourselves as a competitor to object furnishers, but rather as a supplement to the production of unique **highlight objects** in all interior, but also outdoor areas. The keyword is **one-off production**.



The purpose of a showroom is to showcase a range of products to customers. We, however see our showroom as a space to **meet and connect with our customers**, demonstrate our full range of manufacturing capabilities through **physical samples**, and showcase our **quality craftsmanship**.

Our **special objects** thus serve as a **source of ideas** and inspiration for our customers, providing food for thought for the planning and implementation of their own projects. For the realization we **support** our customers in terms of design, technical feasibility, construction up to **manufacturing, finish & assembly**.

To **breathe life into the concept idea**, the designs are illustrated so that the ideas are atmospherically staged. The core of the design is exaggerated, the idea of the concept becomes tangible & details are emphasized. The following steps are the **photorealistic rendering**, which is preceded by the **CMF** (Color, Material & Finish) – in this way materials and color concept are visualized. Already at this point, materials and finishes can be assessed and quickly exchanged in consultation with the client. After adjustments, the final overall concept emerges.



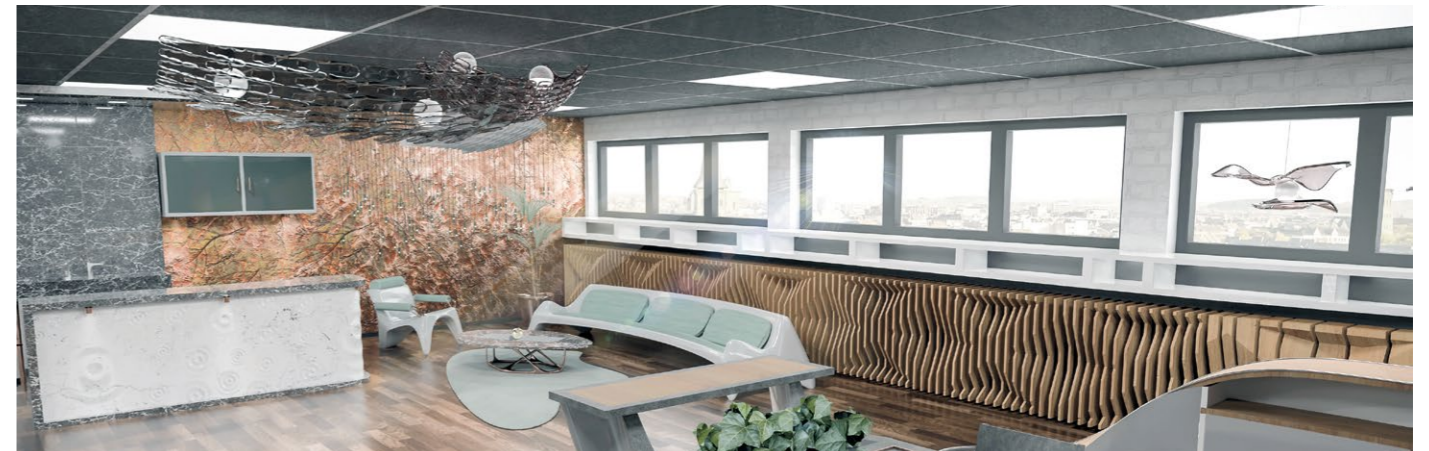
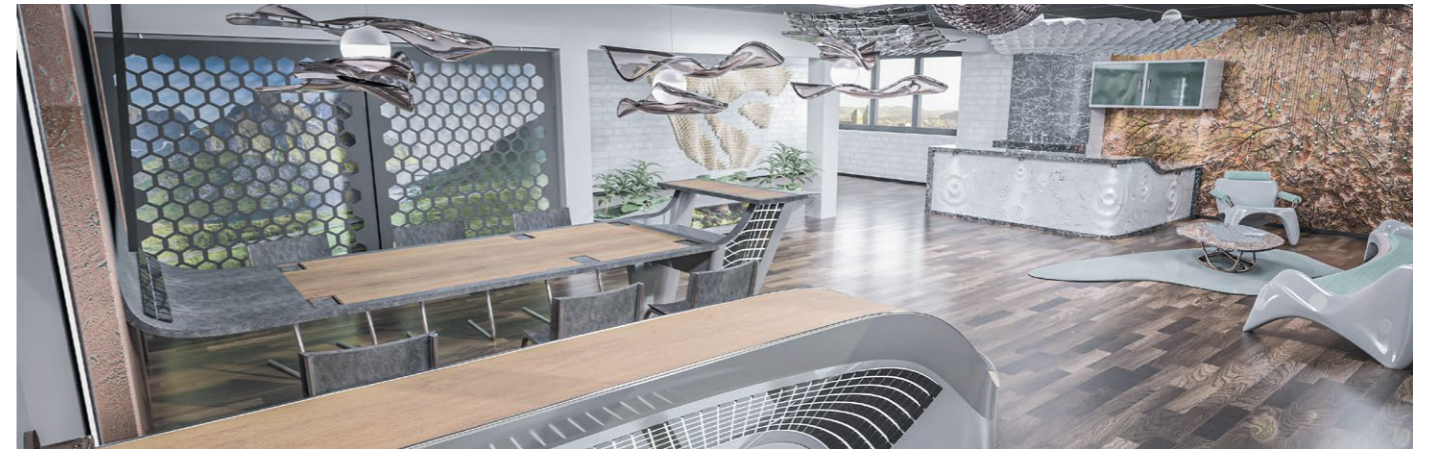
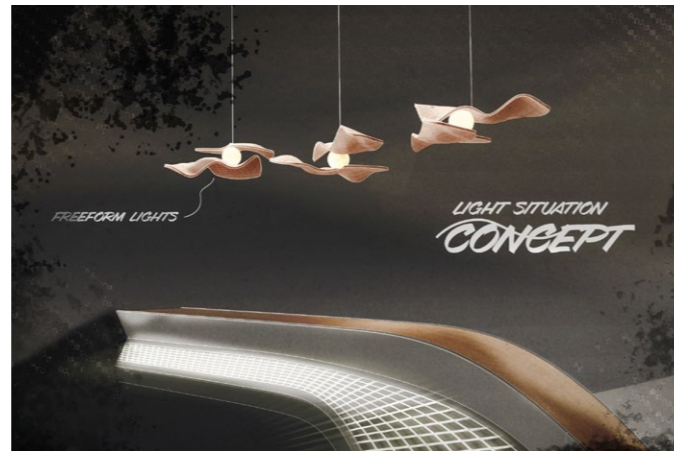
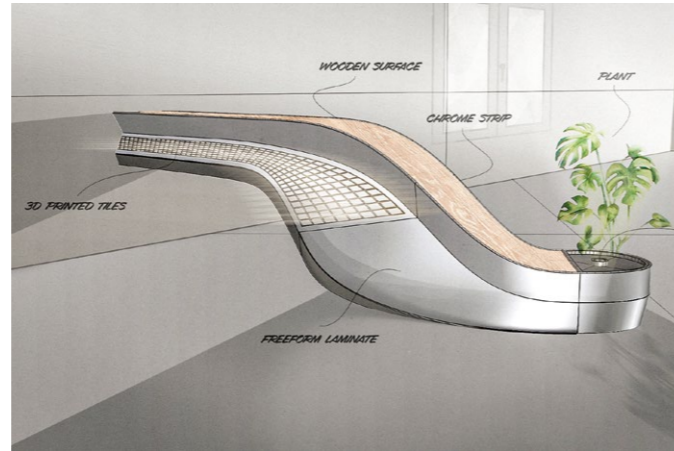
The criteria for the design of our showroom are **not subject to fashionable design** trends. The focus of each design is on the **particular manufacturing technology** that it is intended to represent.

For example, we asked ourselves:

- » *How can fiber composites be introduced and convincingly showcased using a practical example, how can lighting technology be used to create highlights, and how can 3D printing be used in addition?*

The unlimited possibilities of design software such as **Grasshopper** were also intensively incorporated in order to create eye-catching designs on the one hand and to be able to **generate individual adjustments quickly** on the other.

Ultimately, our complete manufacturing spectrum in its breadth and depth is to be applied to **physical work samples** and made presentable to the customer. Thus, conventional manufacturing methods as well as high-tech are applied in order to process modern, fire-resistant, robust & decorative materials.



## Exhibition models

For various industries we manufacture exhibition models according to specifications, whether in the **automotive**, **aircraft** or generally in the **marketing** area. For every customer request we find the **optimal solution** and realize **real highlights** for your trade fair appearance or your marketing campaign.

Our trade fair models become successful **crowd pullers**, especially through functioning lighting scenarios.

We also support our customers from the **conception** of a trade fair presentation, through the **design** & **technical implementation** to the delivery to the trade fair location and the assembly.



Customer specification & manufacturing data

Having **hardware models** for marketing effectively helps the target group remember the product. That's why it's always great when our customers come to us with crazy wishes and we get to help turn them into physical reality!



» *The MINI design team developed Spike from an initial sketch into a versatile companion for the MINI community that attracts attention not only in the vehicle. For example, he was already featured as an art toy at the world premiere of the MINI Concept Aceman. Wherever Spike appears, he provides unexpected experiences and interesting encounters.*

Source: BMW Group





# Consumer Electronics

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## Concept for individual small series Lifestyle Bluetooth Speaker

To showcase our creativity and capabilities at **Formnext 2022**, we designed a Bluetooth speaker made entirely of **3D-printed** components. The body, which houses the functional electronics, was developed by us and 3D-printed in plastic.

With the exceptional frame, which is **manufactured in one piece** and features **non-uniform wall thicknesses**, we demonstrate the applications of metal 3D printing. **Inspired by typography**, vertical struts are emphasized more than horizontal ones, provocatively showcasing the ability to produce **intricate geometries** in stainless steel.

Our design and manufacturing process allows for the realization of highly customized requests starting at a **quantity of one**.

Our speaker is just one example of the capabilities and skills we possess in-house.



# Elgato x Manufaktur Mos

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## Individualization of mass products Wave:3 & Stream Deck

In **cooperation with Elgato** we created new designs for the **Wave:3** microphone & the popular **Stream Deck**.

This project was about showing how even mass products can get completely new shapes & finishes. Plastic parts have been replaced by high quality, mirror polished & PVD coated metal parts. This is how a **mass product becomes a high-end luxury accessoir**, which is certainly no longer hidden in the background in live streams.

» *God created matter, but the surface is a devil's work.*

That's why we are proud of our **surface finish** on sintered stainless steel in **mirror polished and PVD coated gloss** !



# Our machinery

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23/04

## CNC milling

3x 3-axis milling machines

7x 5-axis milling machines

1x 3-axis lathe

## Additive manufacturing

TRUMPF TruPrint 3000

Stratasys Eden 500V

Stratasys J750



Scan me

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