

NO LIMITS TO THE DESIGN

POOL

U P H O L S T E R Y

INNOVATION

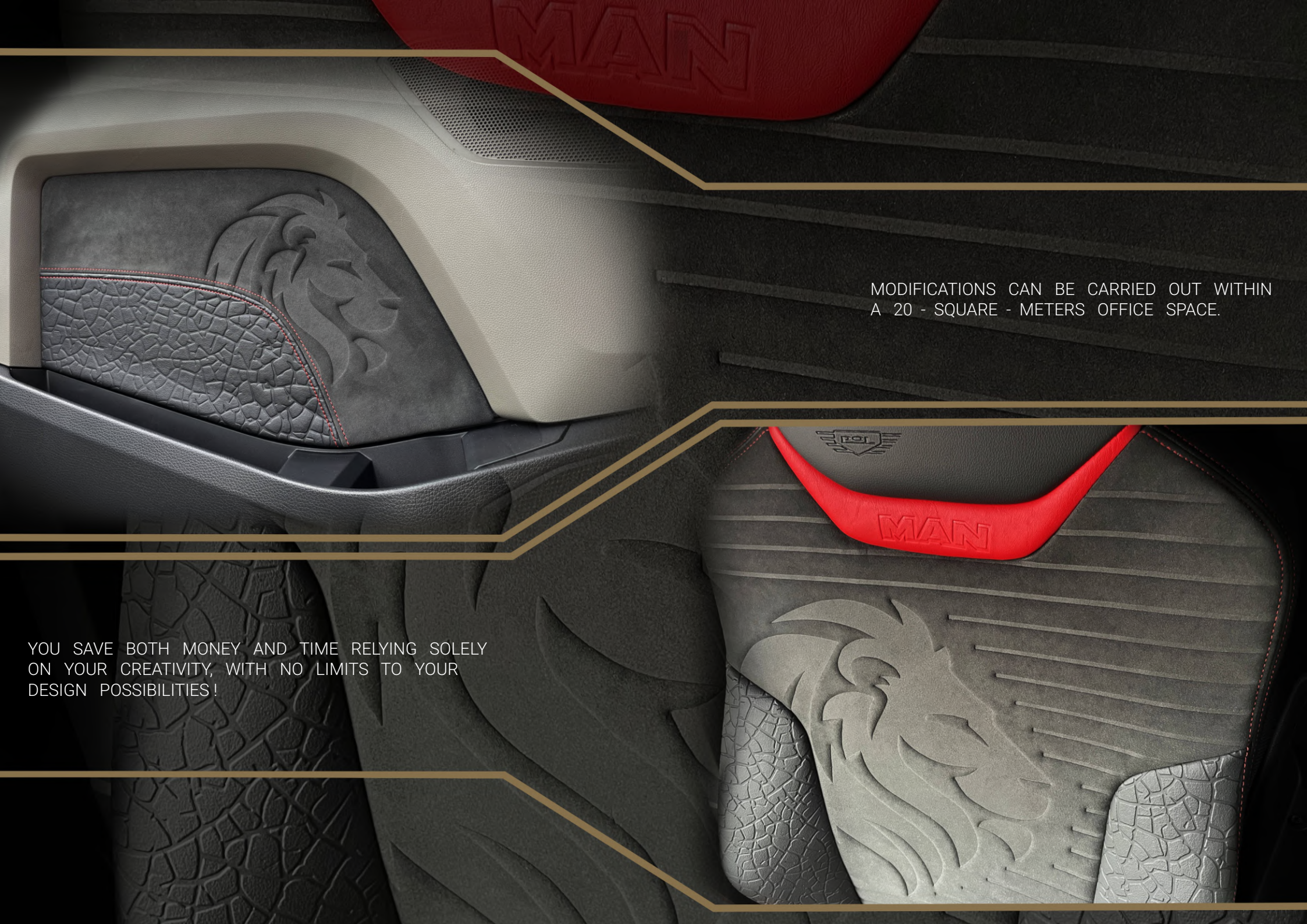


EXAMPLE

THE MAIN SUBJECT OF THE WORK IS
A LION IN A DRY AND CRACKED LANDSCAPE.

DESIGNS INCORPORATING THESE UNIQUE
MATERIALS ARE NOT AVAILABLE ON THE MARKET.








MODIFICATIONS CAN BE CARRIED OUT WITHIN
A 20 - SQUARE - METERS OFFICE SPACE.

YOU SAVE BOTH MONEY AND TIME RELYING SOLELY
ON YOUR CREATIVITY, WITH NO LIMITS TO YOUR
DESIGN POSSIBILITIES!

WE OFFER A COMPLETELY REVERSED PROCESS FOR THE COLOR AND MATERIAL DEPARTMENT

CURRENT process: MATERIAL MANUFACTURER  COLOR AND MATERIALS DEPARTMENT 

POL process: COLOR AND MATERIALS DEPARTMENT  MATERIAL MANUFACTURER 

CURRENT process:

The color and materials departments are 100% dependent on textile, leather and artificial leather provided by the material manufacturers. In this process, material manufacturers create material designs, which are then utilized by the automotive manufacturer's development department.

POL process:

The car development team independently generates designs within its premises, engages in interior experimentation, and produces demonstration vehicles for showcasing at events and exhibitions. Once the interior department approves of the design, it forwards it to the material manufacturer for manufacturing.



ENVIRONMENTALLY SUSTAINABLE



SIMPLER IN A WAY THAT IS IMMEDIATELY USABLE IN EVERY OFFICE



TEN TIMES FASTER THAN CURRENT PROCESS



POL PROCESSES STIMULATE CREATIVITY AND THE DEVELOPMENT OF NEW IDEAS AND DESIGNS



HUNDRED TIMES CHEAPER

POI
process

VS

CURRENT
process

COMPARISON

LIMITATION

ADVANTAGE



Paper Sketch

Paper Sketch



3D Design Programming Limitations

Limited to examining design in 3D with the use of a VR headset which is costly and time-consuming.



Programming to Develop Tools

As soon as we have made the tools, we are ready to create reliefs on different materials.

Cannot Physically Interact

You cannot visually perceive or physically interact with the tangible material.



Interact with the Design

Finalised design - you can immediately physically see and touch the material in reality.

Designs Depend on Material Availability

The success of your design relies entirely on the accessibility of design options provided by textile, leather and artificial leather manufacturers.



No limits to the design

The only design limitation is your own creativity.

Demo Product Prep: Days to Months

The preparation time for demo products can range from days to weeks and even extend to months.



Demo Product Prep: Minutes to Hours

Time needed to prepare demo products require a few minutes to several hours.

Design Corrections: Days to Months

Design corrections require days, weeks even months.



Design Corrections: Minutes to Hours

Design corrections require a few minutes to several hours.

High Material Costs

The cost of materials for crafting new designs can range from a few hundred to several thousand euros, depending on the complexity of the design



Low Material Costs

Up to a few euros, depending on the complexity of the design.

ABOUT US

For **three decades**, we have been engaged in car upholstery, during which we have become **leaders** in pioneering numerous **techniques and technological advancements**. In pursuit of our goal to outperform renowned car tuning firms and luxury car manufacturers, we even filed for a **PCT/HR2018/000010 patent** for one of our technological processes. While processes, organization, and technology remain crucial aspects that we consistently enhance through investments, **our people** stand out as the ultimate differentiator. Their **knowledge and passion** serve as our primary competitive advantage, and we never compromise on this front. Despite changing times, evolving markets, and technology shifts, our unwavering commitment to reliability and pursuit of excellence remains constant. This **dedication** is why our clients and partners choose to continue their association with us.

MISSION

At Pol **our mission** is to empower car manufacturers with the capabilities to **craft truly unique designs** that enhance the lives of people worldwide. We are dedicated to **pioneering innovative techniques** and technologies in car upholstery, ensuring that our clients have the tools and knowledge to create vehicles that not only meet, but exceed, the expectations of a diverse global audience. Through **our unwavering commitment to excellence and creativity**, we aim to **drive the automotive industry towards a future** where every car on the road is a testament to both individuality and universal appeal.

VISION

At Pol, we **envision a future** where innovation and expertise converge to **redefine the automotive industry**. For over **three decades**, we have set the standard in car upholstery by pioneering **cutting-edge techniques and technologies**. We remain unwavering in our pursuit of excellence and reliability, ensuring that our clients and partners continue to choose us as their trusted collaborators in **delivering world-class products**.

COURSE

FOR COLOR AND MATERIAL
DESIGNERS

POI
UPHOLSTERY

INNOVATION

EXAMPLE OF RELIEFS



CLASSIC RELIEF

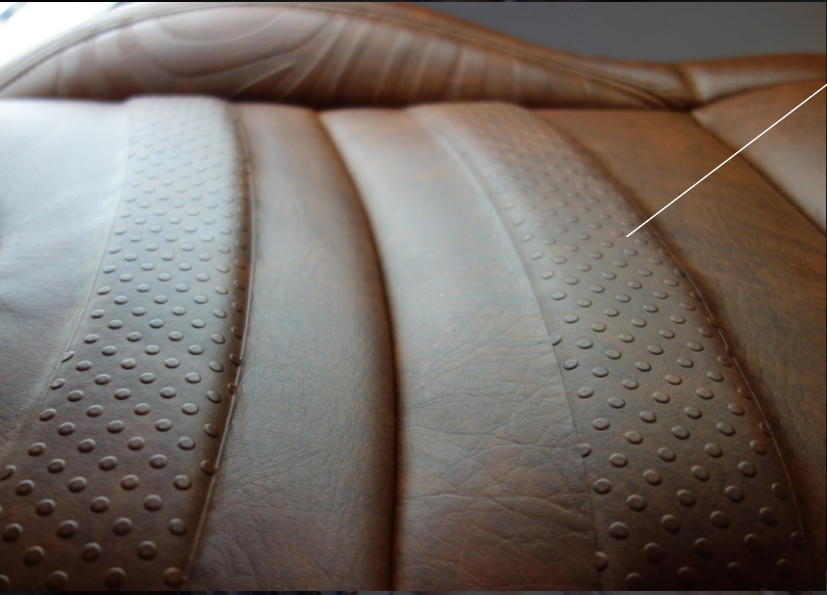
PATENT PENDING NO: PCT/HR2018/000010

BULGING RELIEF

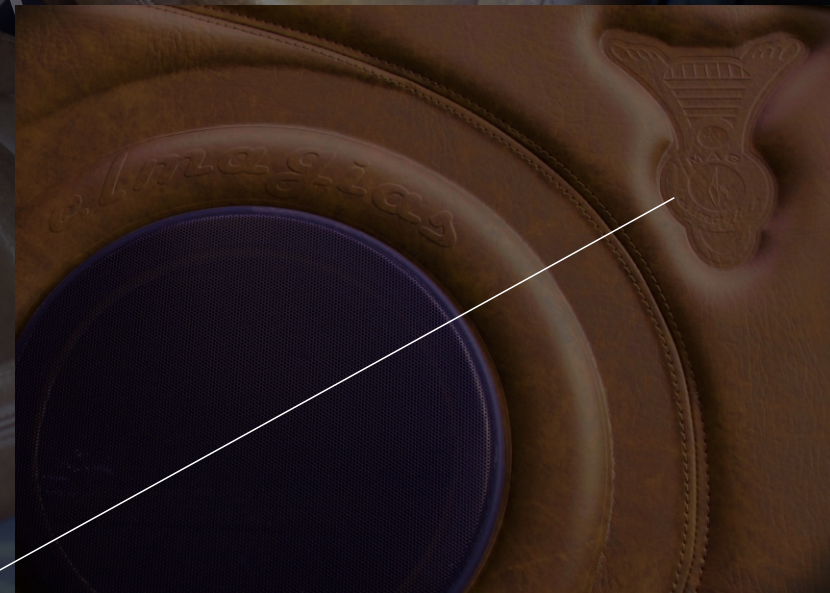


DENTED RELIEF

COMBINATION
DENTED AND BULGING RELIEF



COMBINATION
DENTED AND DENTED RELIEF



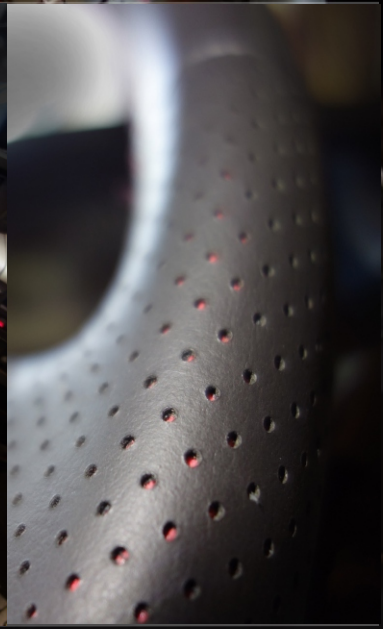
PRINT AND RELIEF



COMBINATION
DENTED AND BULGING
RELIEF WITH TERMO
PRINT



POSSIBILITIES
NO LIMITS



COMBINATION
DENTED AND BULGING RELIEF
WITH PRINT

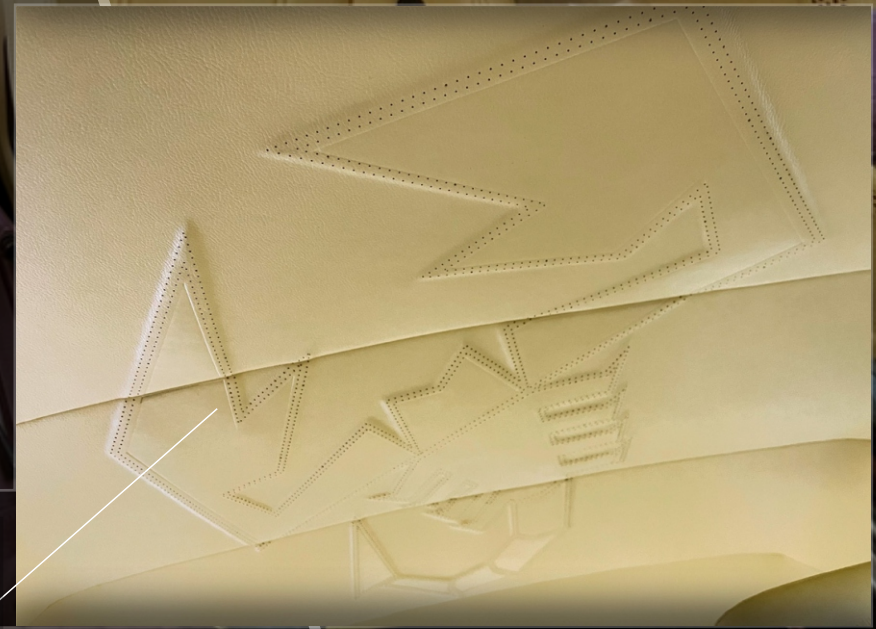


PHOTO
PRINTING ON THE INSIDE
OF THE MATERIAL



COMBINATION
DENTED AND BULGING RELIEF WITH
PUNCHED HOLES AND COLOR INSIDE

COMBINATION
DENTED AND BULGING RELIEF
WITH PUNCHED HOLES



RESEARCH

RESEARCHING DESIGN ON A DAILY BASIS

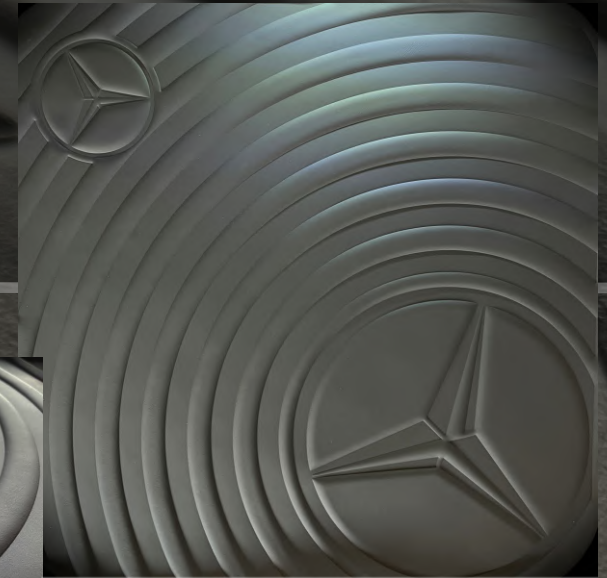


SURFACE MODIFICATION EXAMPLES 49 x 49 cm

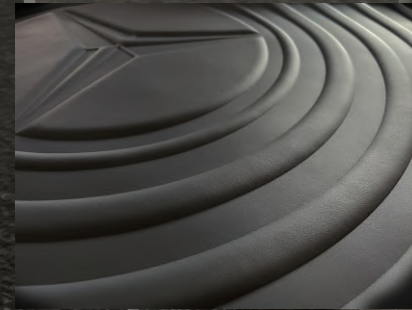
Various materials undergo different technological processes but the end result is always a relief texture.



TEXTILE



LEATHER



LEATHER

TEXTILE

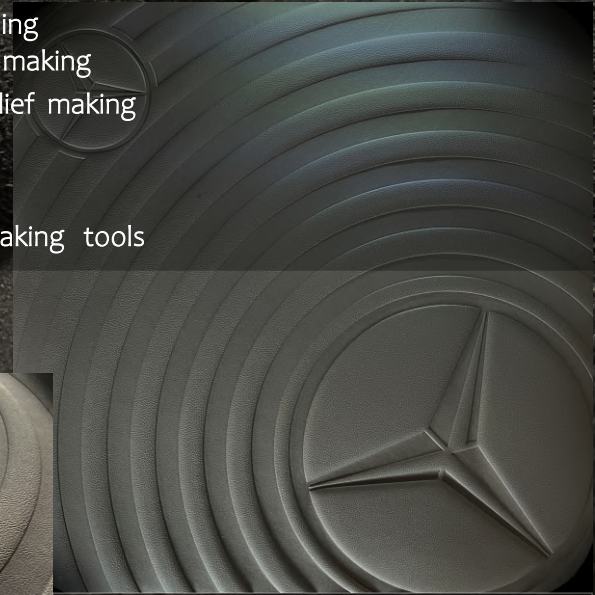
ARTIFICIAL
LEATHER

TIME SPENT

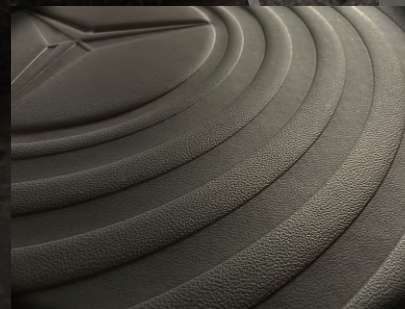
- 38 mins for programming
- 32 mins spent on tool making
- 3 mins spent on the relief making

MONEY SPENT

- 3 euros material for making tools



ARTIFICIAL LEATHER



CAR CARPET

TIME SPENT

- 38 mins for programming
- 29 mins spent on the relief making

MONEY SPENT

- 1 euro

* car carpet process is applicable in series production

WEEK 1:

Venue at POL Itd Workshop

Content: Introduction to techniques, technological processes, and the equipment required.

COURSE

WEEK 2:

1. Converting vector graphic designs into surface patterns on leather and textiles (patent pending).
2. Combining textured reliefs (dented and bulging) on leather and artificial leather (2nd and 3rd days).
3. Integrating relief and printing techniques (4th day).
4. Combining basic relief, bulging relief, and printing (5th day).

WEEK 3:

5. Printing on the inner side of materials (6th day).
6. Incorporating punched holes and relief designs (7th day).
7. Utilizing punched holes, basic relief, and either bulging or dented relief (7th day).
8. Using punched holes, background colors, and basic relief (8th day).
9. Repetition of materials on the 9th and 10th days.

*THE CONCEPT:

The initial part of the course occurs at our company, where we introduce the necessary tools and machinery.

The subsequent part of the course can begin once you have prepared these tools and machines.

The first part of the course involves up to three people.

*WEEK 2-3:

Location: Either POL Itd Workshop or your company (if you have the appropriate tools and machines).

The second segment of the two-week course, spanning 10 working days, takes place at your company.

This part of the course can accommodate as many people as you want.

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