



INDEPENDENT GRAIN DEVELOPMENT

from creation to serial production

Contact:

Taktilesdesign GmbH

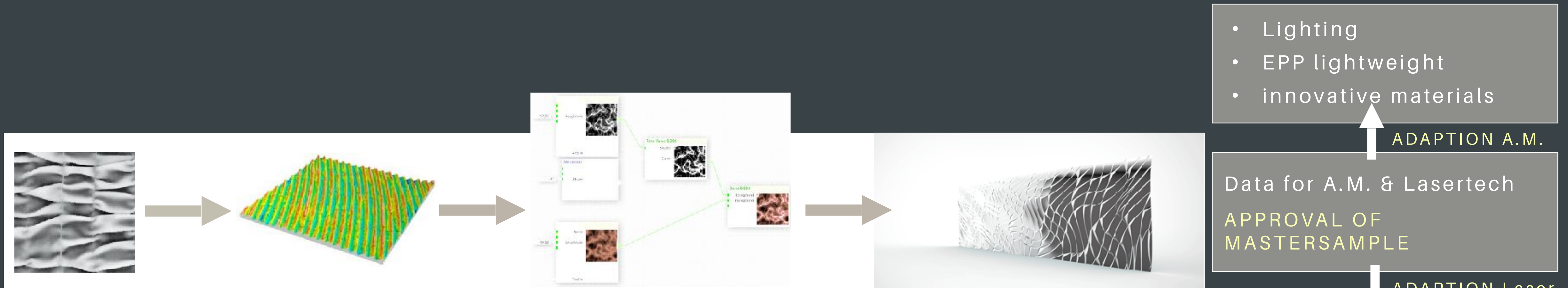
• Textures for creative & innovative surfaces •

Sylvia Goldbach, CEO & Design

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www.taktilesdesign.com

We are the experts in digital texture development
linked to laser engraving & additive manufacturing

Independence towards suppliers & shorter lead times with own digital grain data



HIGH QUALITY
SCANNING

MEASURE
& ANALYSE

FAST MODELLING
SEAMLESS
PARAMETRIC DESIGN

UV MAPPING
ON PART &
RENDERING

NETWORK FOR
PRODUCTION

Project management & timing





15 years of experience since grain digitalization

Transfer of exclusive data
with rights for use

- ▶ Time to production < 4 Months
- ▶ Including cylinder production, manufactured in Germany

VOWAcar Palm Beach

Properties

-  Free of phthalates
-  Standard 100 by OEKO-Tex product class 1 baby
-  Flame-retardant acc. to: FMVSS 302 / DN 75200
-  Sustainable imitation leather for vehicles





Sylvia Goldbach, CEO & Design

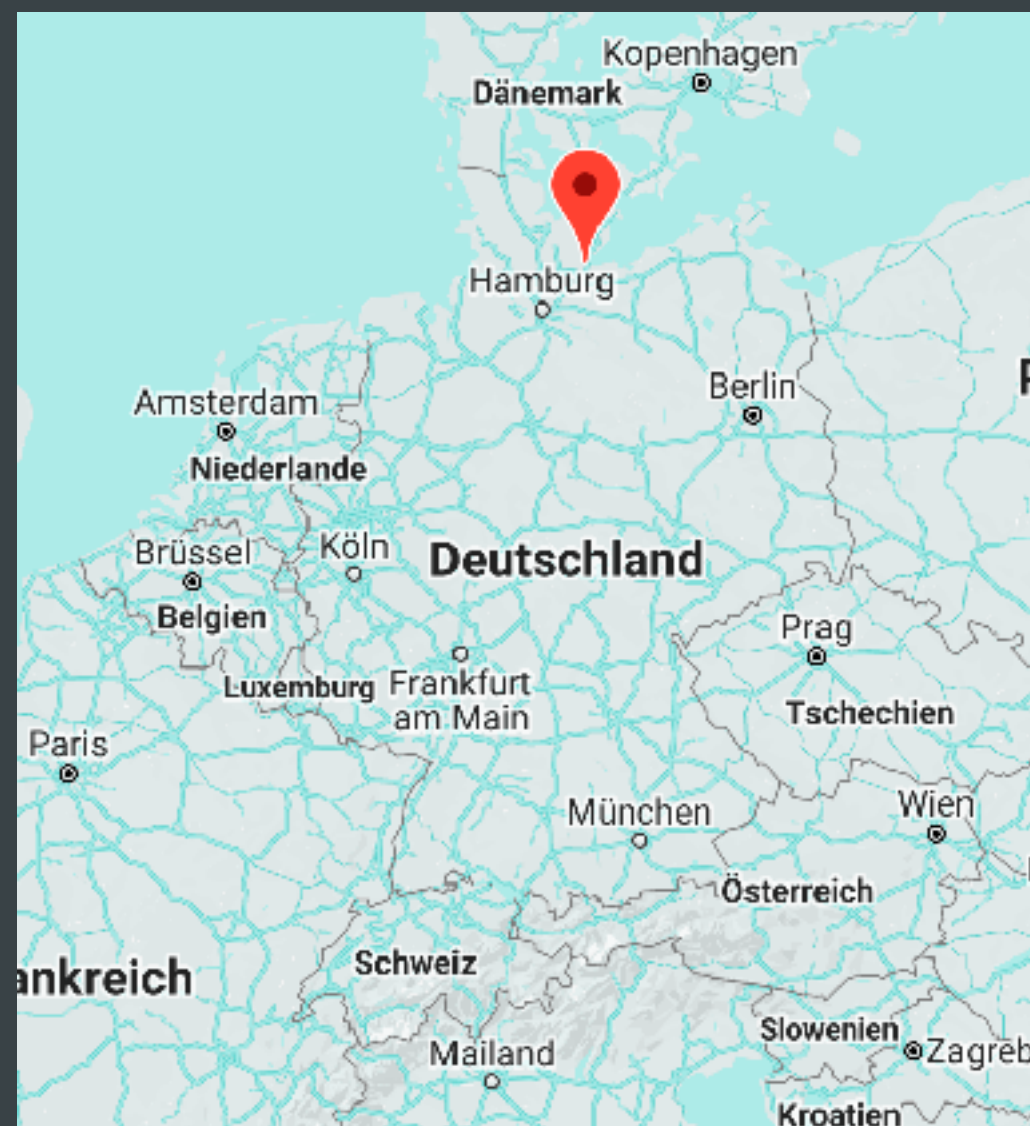
Founder of Taktilesdesign Design office 2016
 Located in Lübeck, northern Germany

Previous experience:

2005-2011 Ungricht Saueressig Group, former Wetzel
 Team leader data development & design
 2011-2015 Benecke Kaliko / Continental, Hanover
 Surface data development, laser engraving



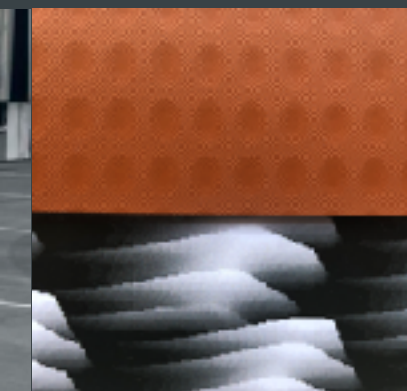
Sylvia Goldbach, Eric Bahr (BDM in 2nd business unit „Tactile media“)



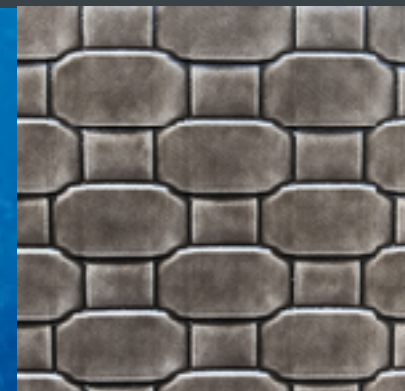
Mini 6,7 2009 Design Product Management for
 Wetzel Processing Group



Sharkskin Adaption & Y Grain Design 2013 for
 Benecke Kaliko AG



Rinspeed sQuba 2008, Furniture & Wallpaper



EPP in visible parts with innovative moulds



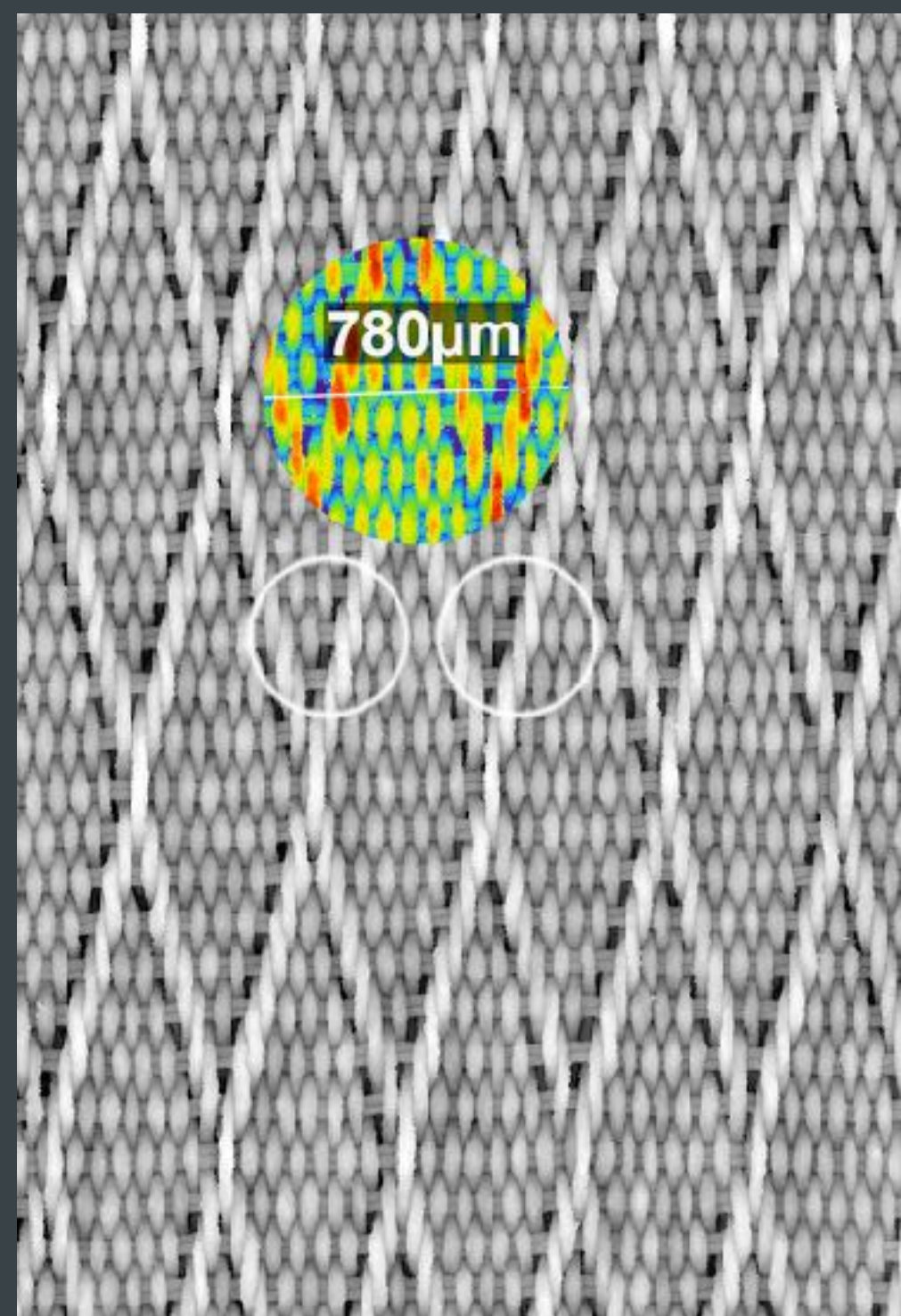
The **Sprinter's headrest** *is just a first example:*

EPP (expanded polypropylene) as lightweight material consists **95% of air** and is **recyclable**.

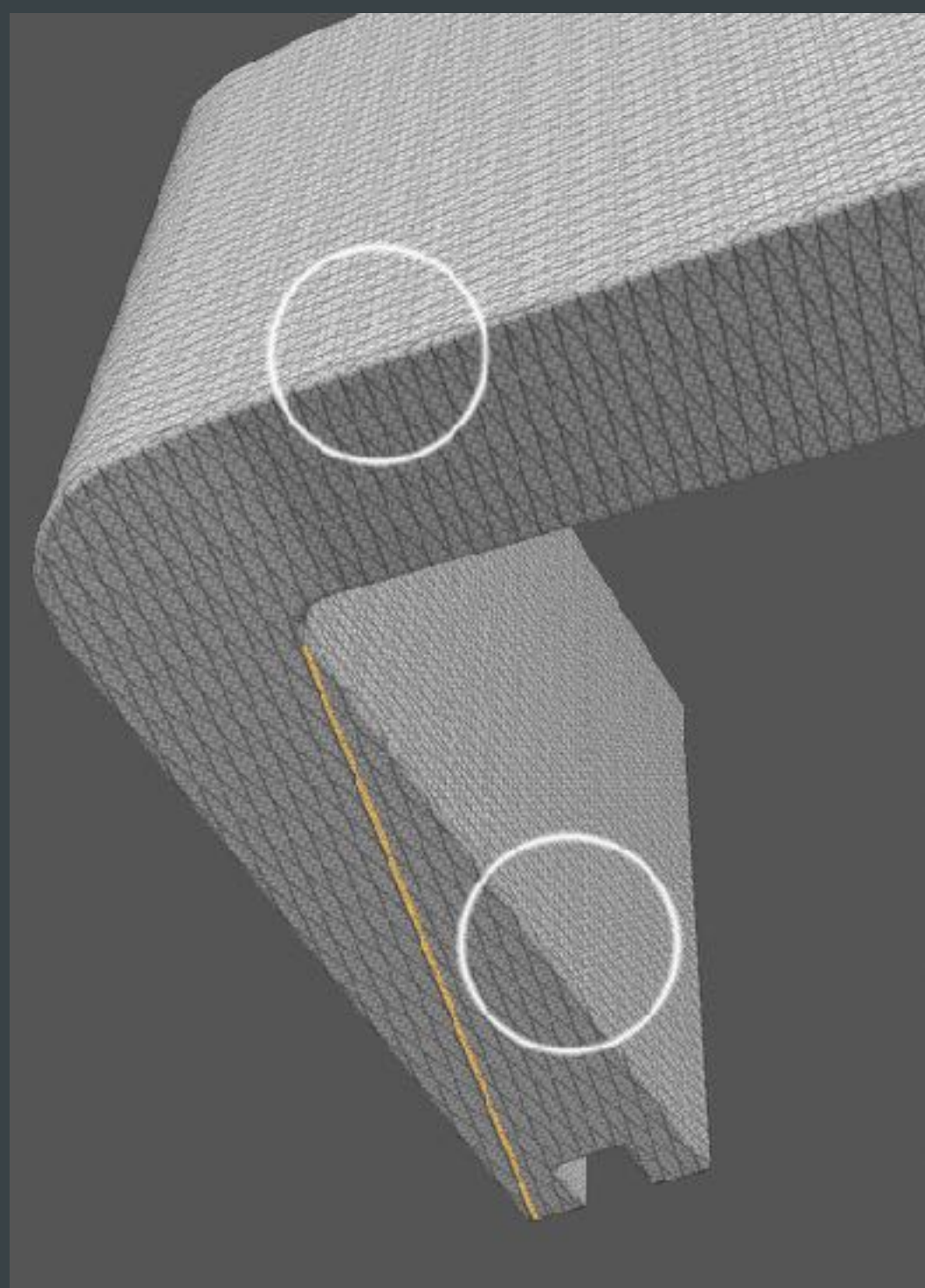
The manufacturing process, which has been simplified by our **partners patented mould concept**, **saves 80% energy** and avoids CO2 emissions to the same extent!

Showcase furniture by MOVISI, Stuttgart

- ▶ From original fabric to textured product
- ▶ 5-axis laser mould
- ▶ EPP



Scan, Texture Analysis



3D Mapping hiding joint lines

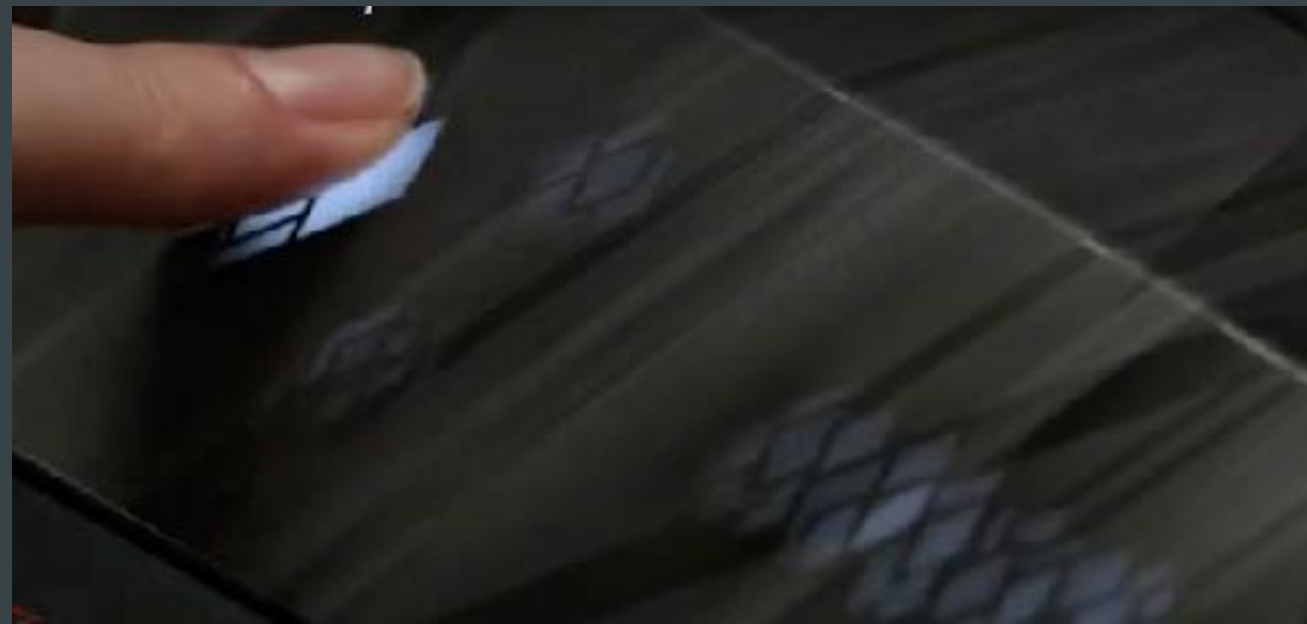


Rendering before engraving



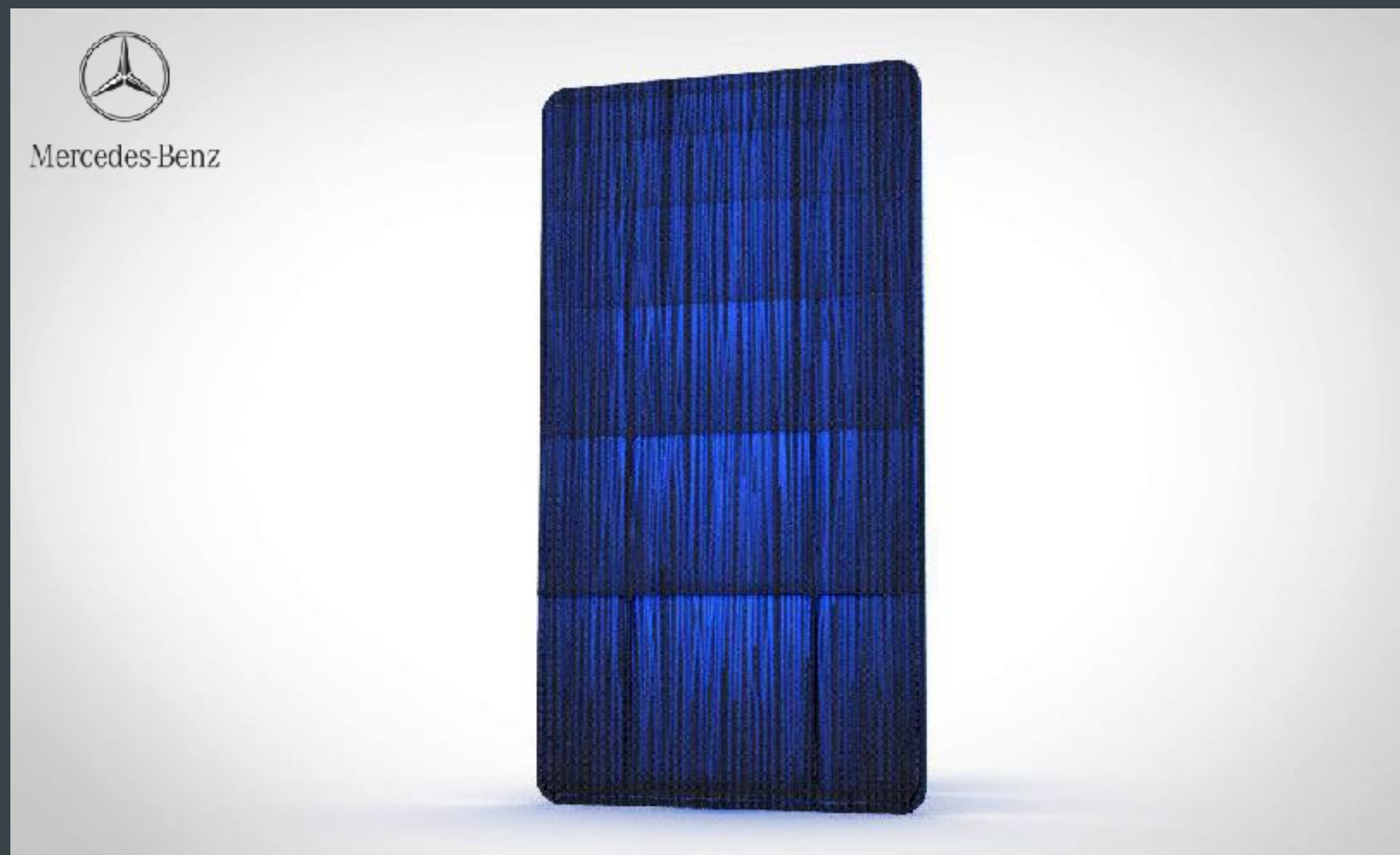
Finished product

Lighting concepts



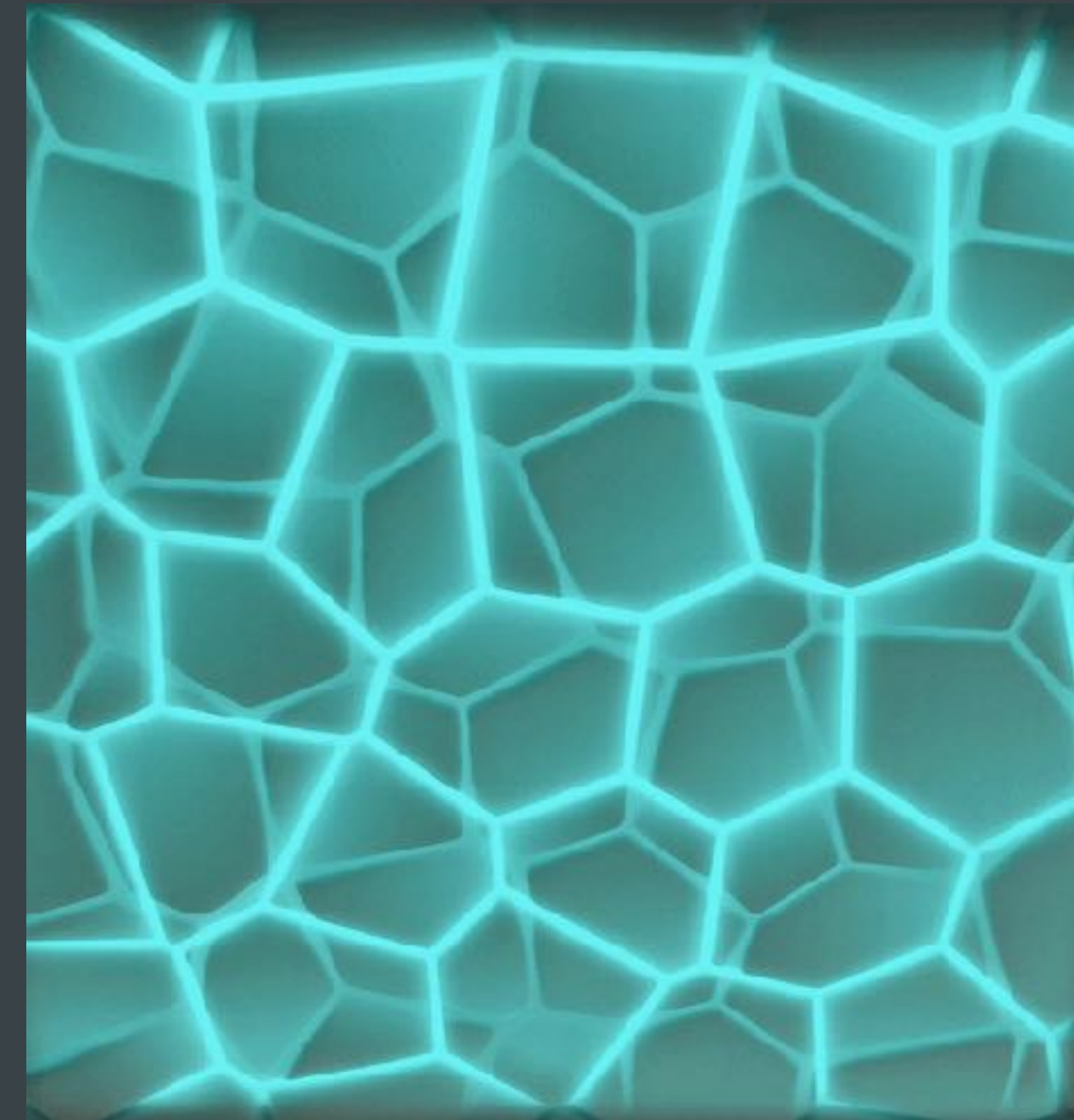
POLY IC PANEL early design studies

©Leonhard Kurz

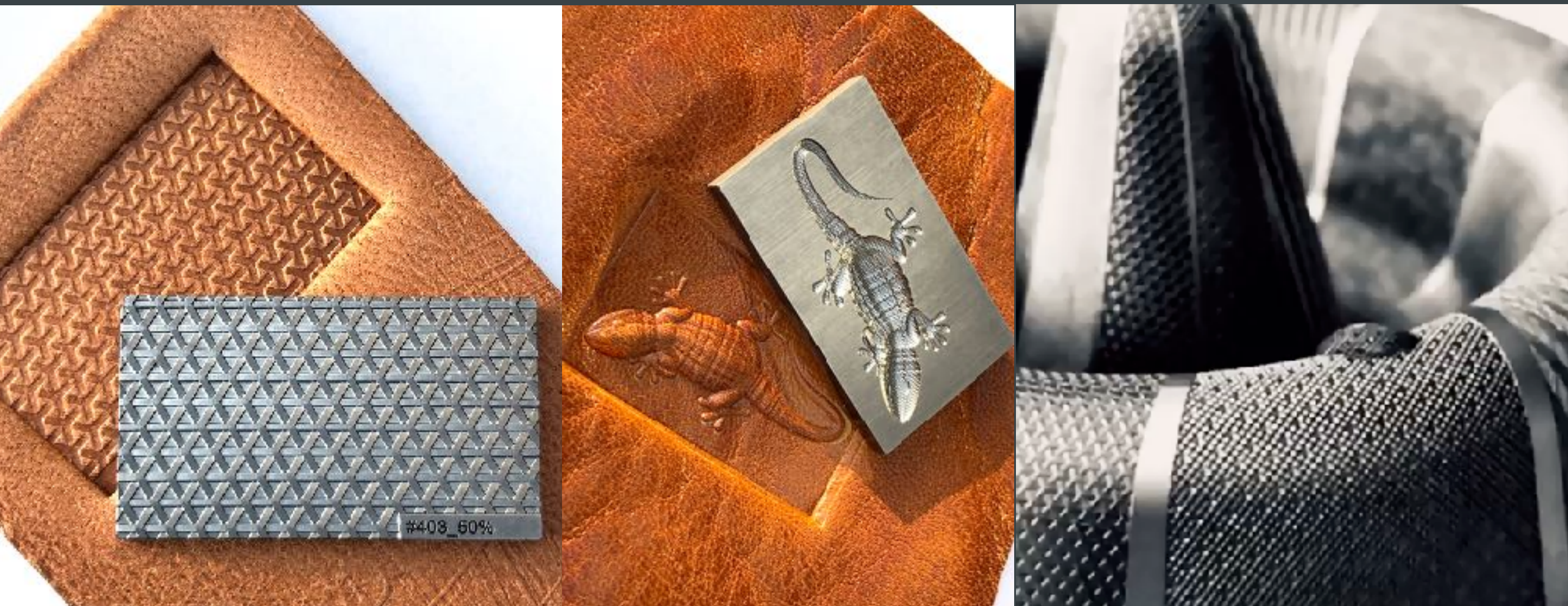


LED PANEL A.M. Binder Jetting

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Stamps, 3d printed or laser engraved



Made with high end ultrashortpuls laser

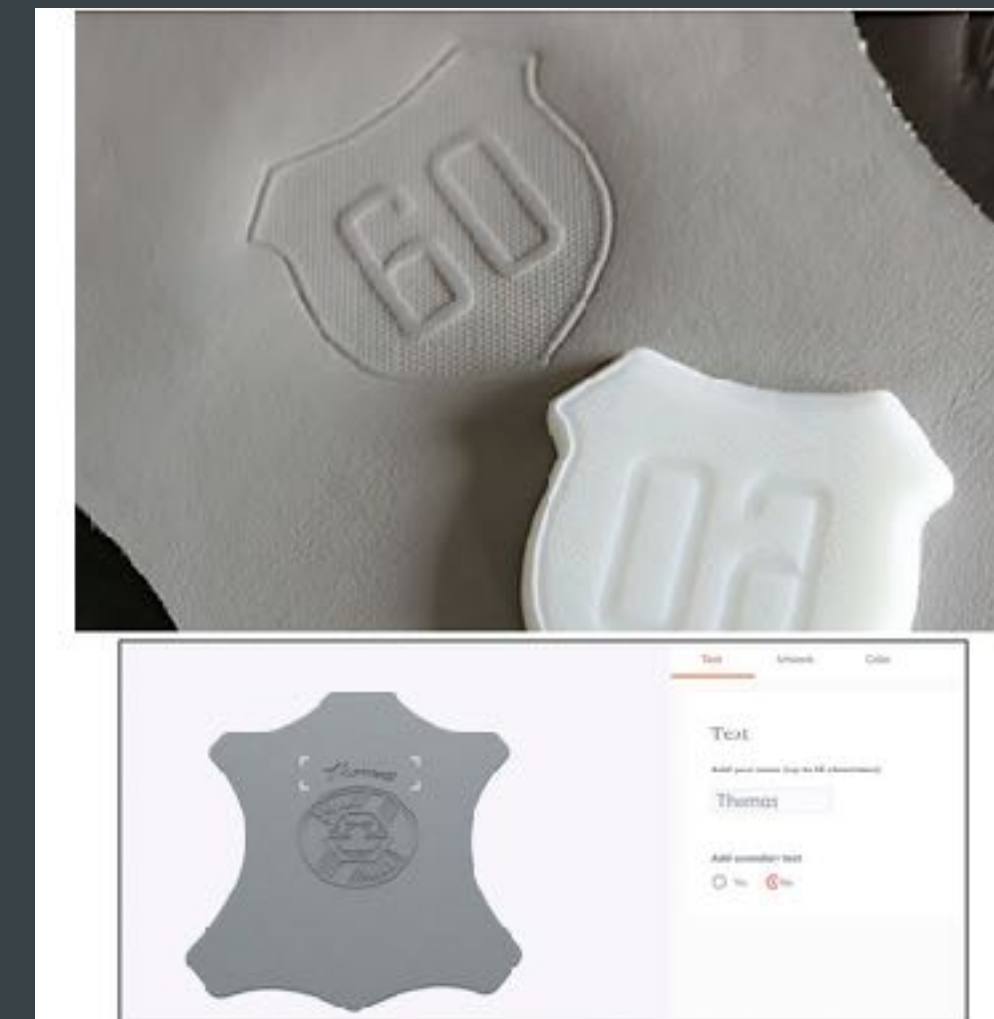
Production cooperation



ZIM Network INDUPI
internationale Partners
for bionic applications



<https://www.indubi.eu/>



3D printed for customization
incl. software configurator

Laser engraved stamp



Binder jetting



Polymer, metal coated

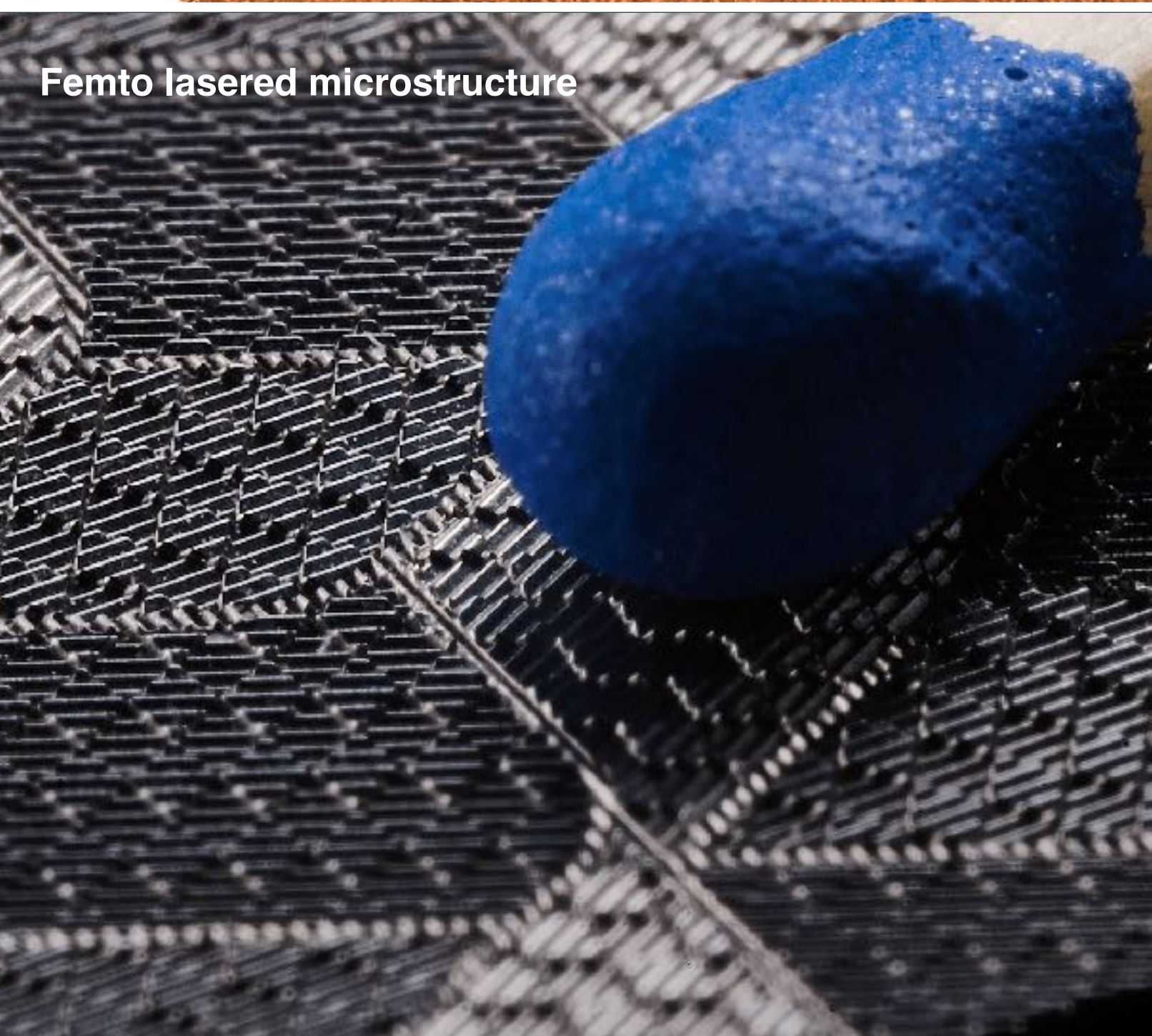


purmundus
challenge 2020
special mention

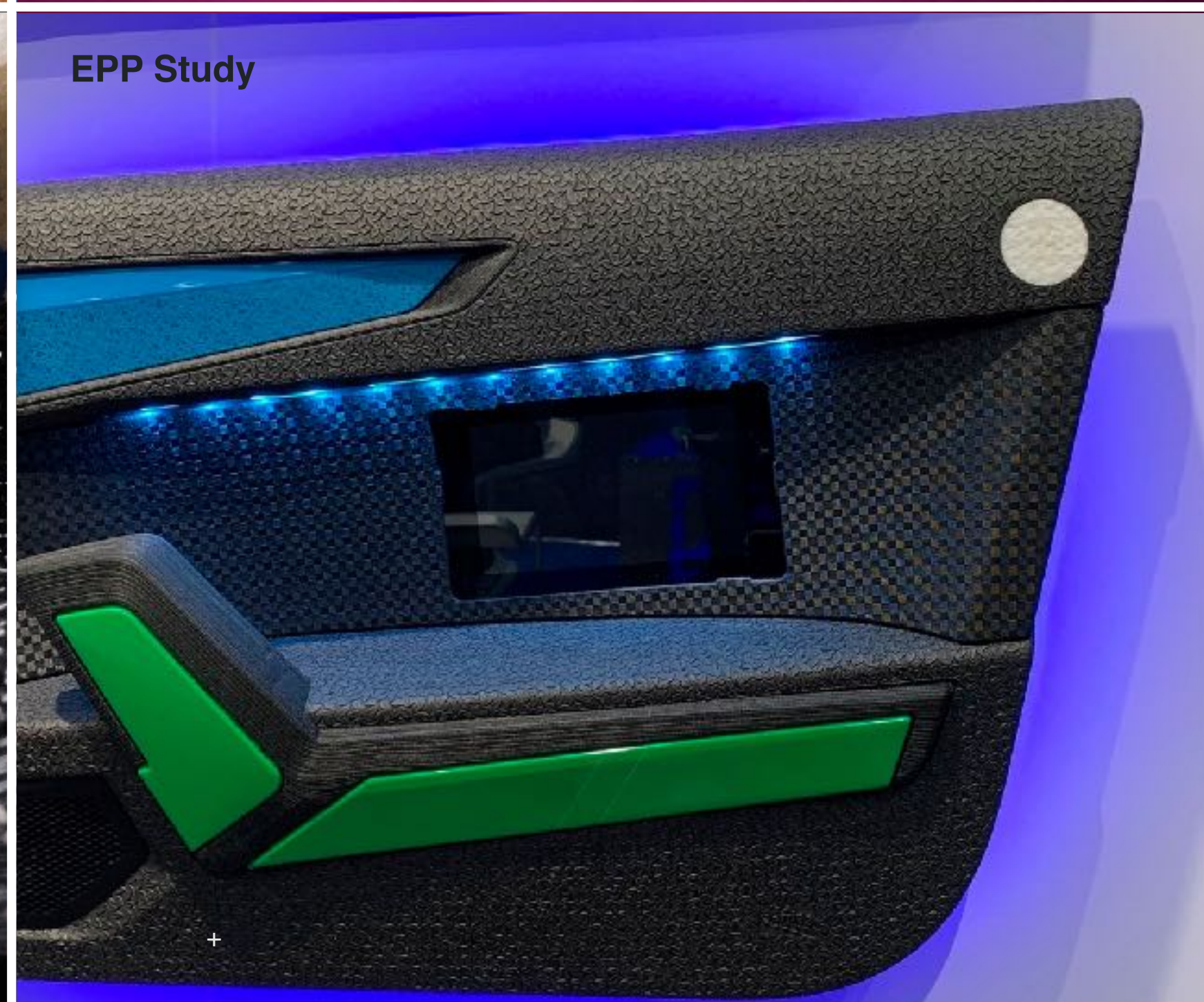


<https://www.youtube.com/watch?v=gvsf65xsqTs&feature=youtu.be>

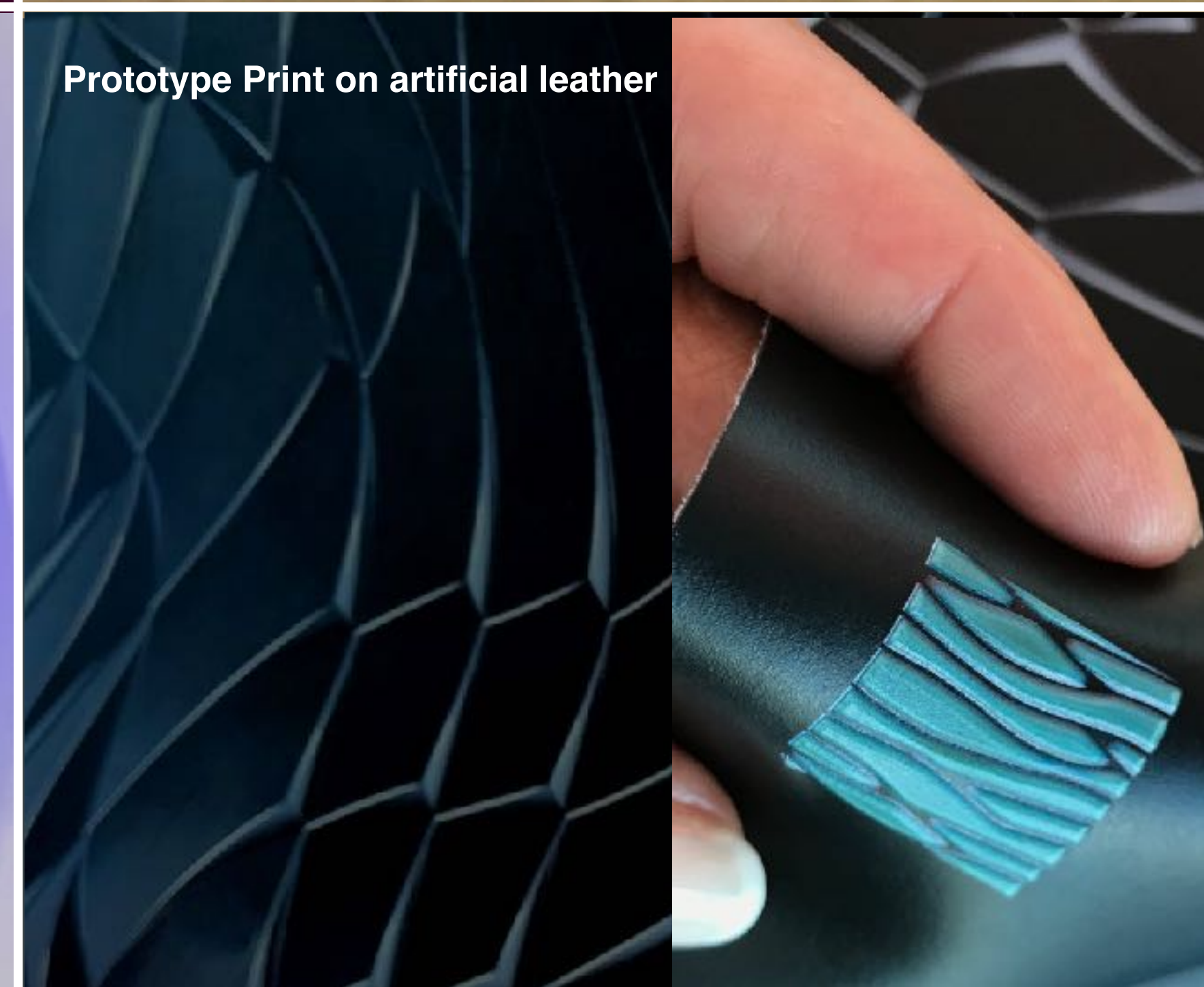
Femto lasered microstructure



EPP Study



Prototype Print on artificial leather





MAKE IT HAPPEN !

Thanks.

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www.taktilesdesign.com