INDEPENDENT GRAIN DEVELOPMENT
from creation to serial production
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

- Data for A.M. & Lasertech
- Approval of Mastersample
- Adaptation A.M.
- Adaptation Laser

- Lighting
- EPP lightweight
- Innovative materials
- 5-axis laser Inj. moulds
- Cylinder engraving
- Femtolaser engraving

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Grain Adaption for **VOVALON**

- 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
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, CEO & Design

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

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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 extend!
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
©Taktilesdesign
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/
Laser engraved stamp

Binder jetting

Polymer, metal coated

EPP Study

Protoype Print on artificial leather

Femto lasered microstructure

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