

VIZOO

Materials matter.

MATERIAL DIGITIZATION SOLUTIONS

Company presentation
Vizoo GmbH
Munich, January 2022

ABOUT VIZOO

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Founded in Germany in **2013**

A team of **25** experts managed by:

- .Martin Semsch – CEO & Founder
- .Renate Eder – Chief Commercial Officer

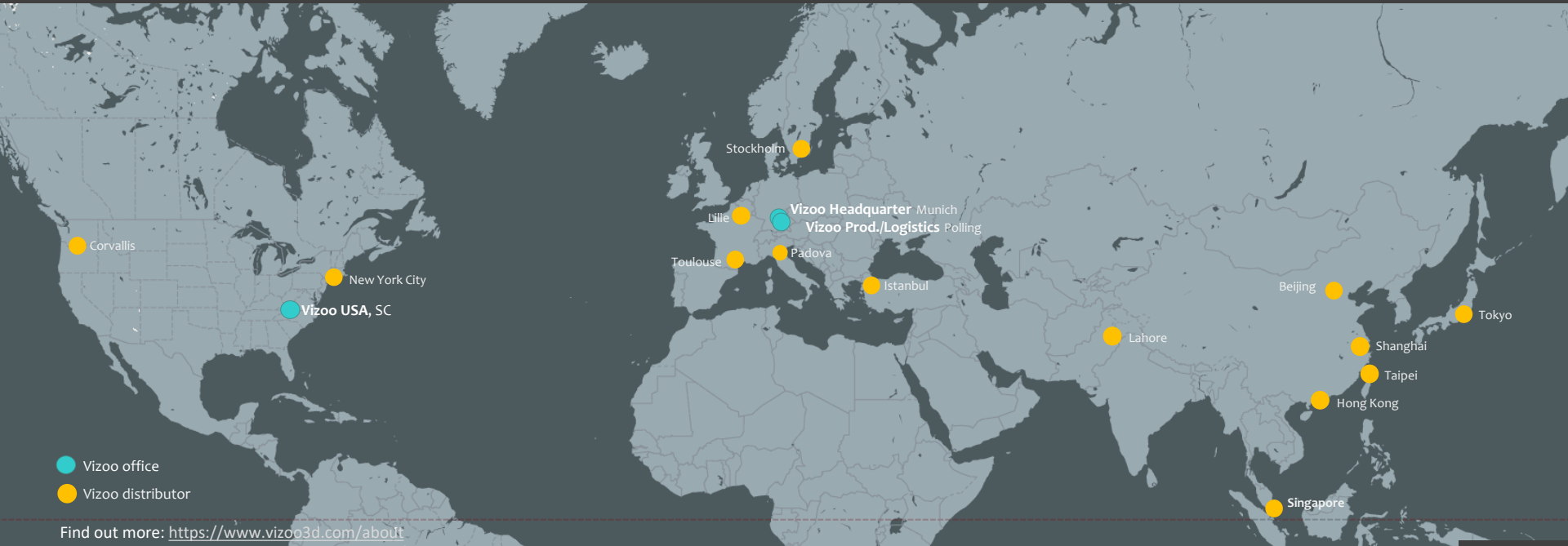
From startup to leading provider of
material digitization technology



Image: adidas

VIZOO OFFICES IN GERMANY AND USA

SUPPORTED BY A WORLDWIDE DISTRIBUTOR NETWORK



OUR CLIENT BASE

300+ CLIENTS IN 40+ COUNTRIES



Image: Vizoo

Various industries are relying on Vizoo technology

- Automotive
- Fashion brands
- APP & FTW manufacturers
- Fabric mills
- Interior brands
- Gaming & entertainment
- Creative agencies
- Universities

SOME OF OUR CLIENTS IN THE FASHION & SPORTSWEAR INDUSTRY



Brands

Apparel & Footwear
Fashion & Sportswear



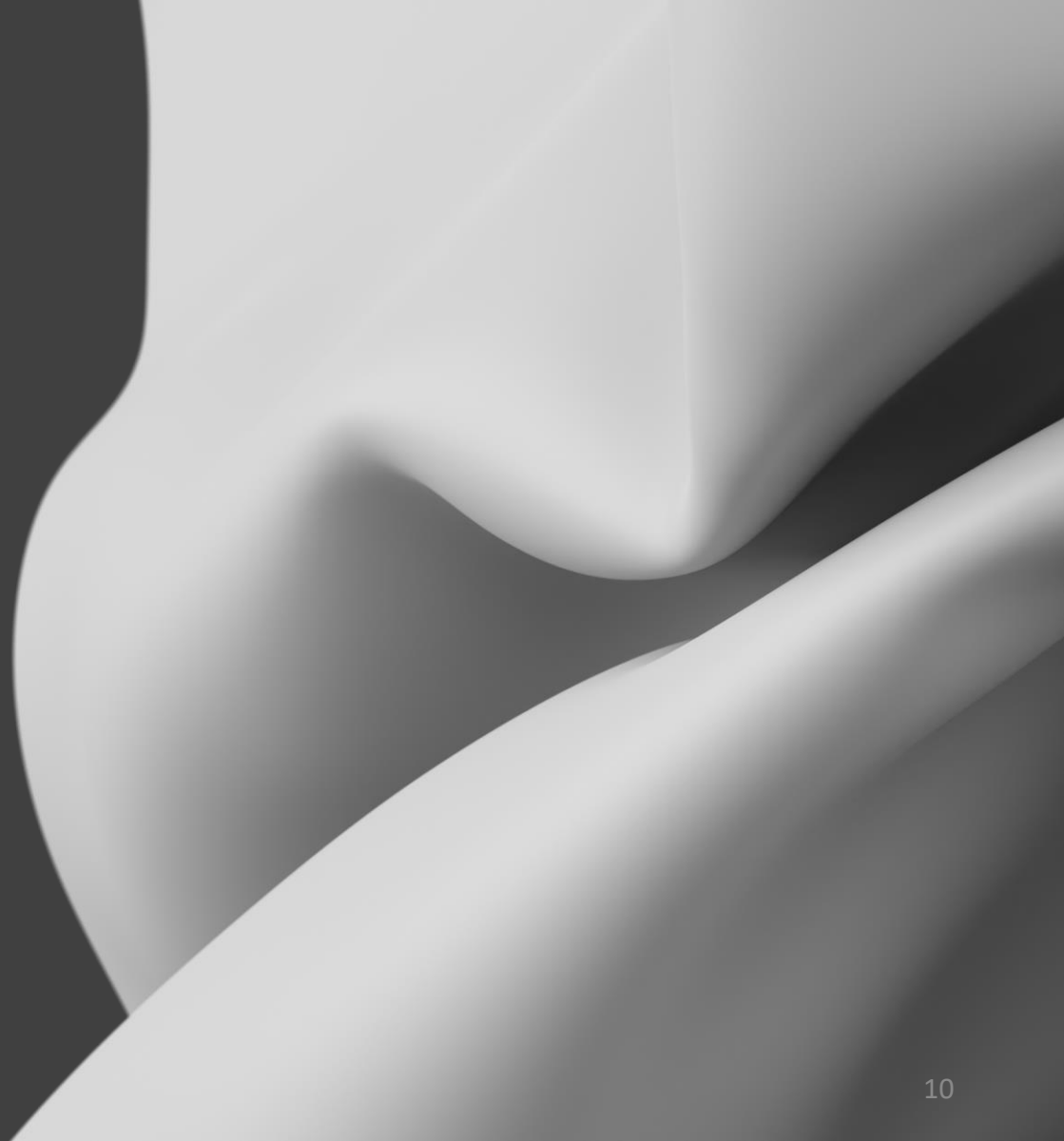
Supply chain

OEM, fabric mills & trading companies
as well as supply chain management companies

WHAT IS A DIGITAL MATERIAL?

MATERIAL PROPERTIES

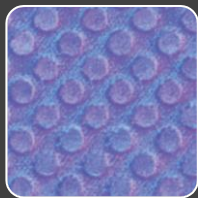
Base Geometry



MATERIAL PROPERTIES

Base Geometry

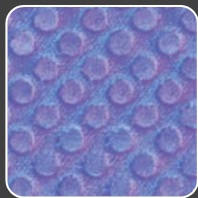
Surface Structure



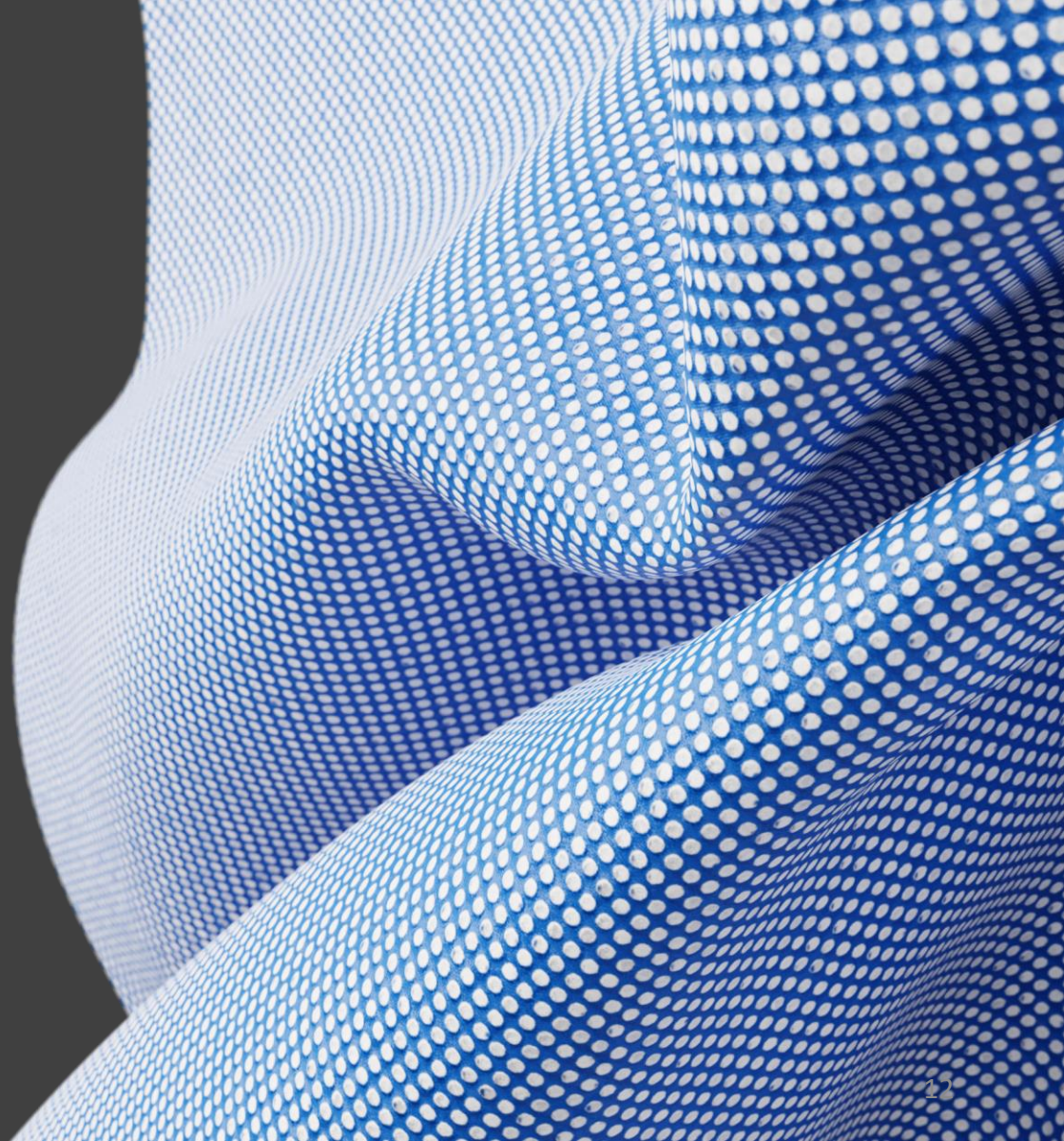
MATERIAL PROPERTIES

Base Geometry

Surface Structure



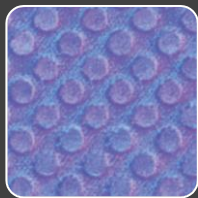
Color



MATERIAL PROPERTIES

Base Geometry

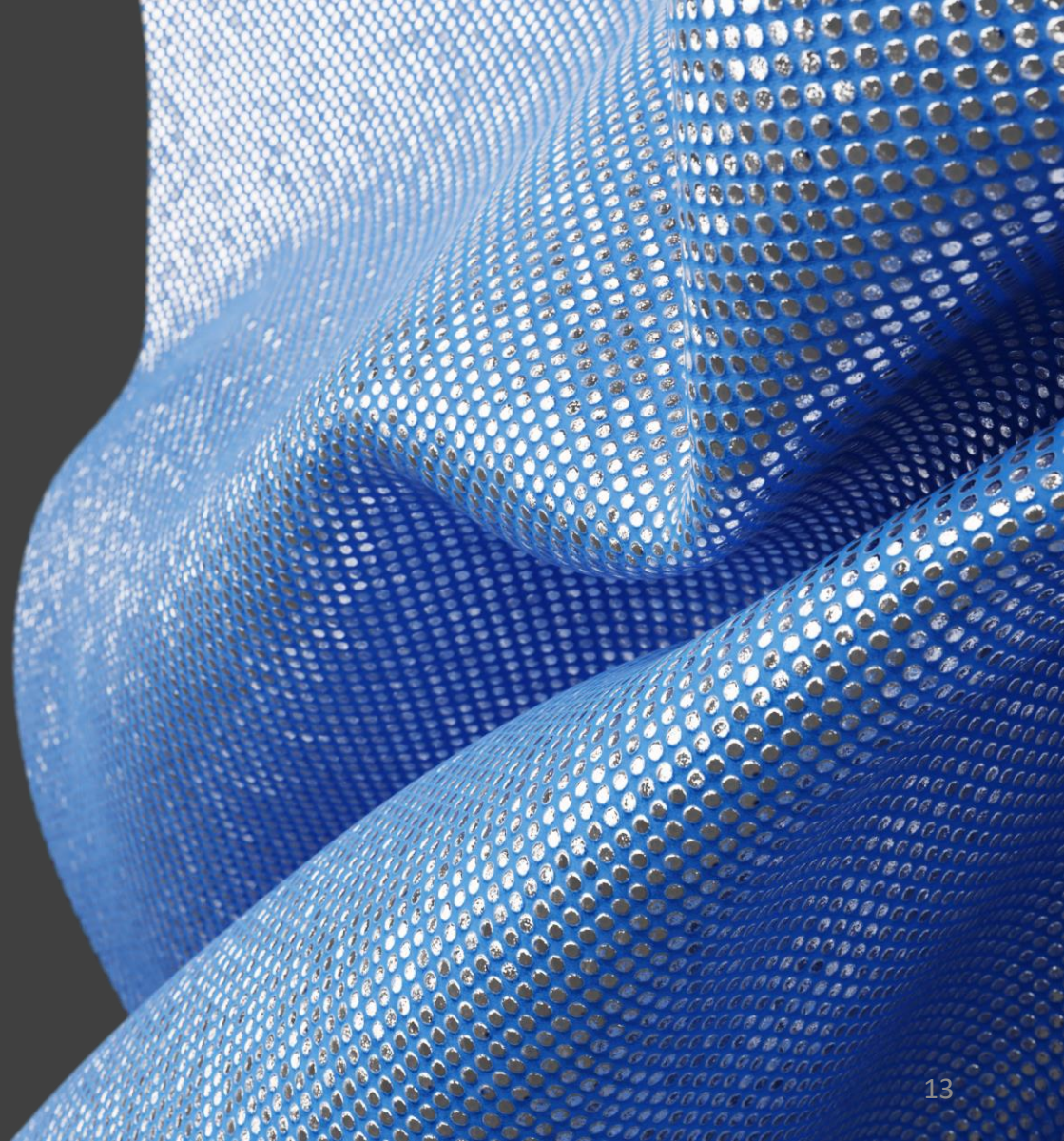
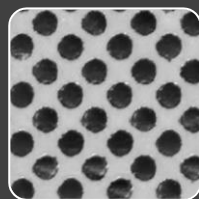
Surface Structure



Color



Reflectivity

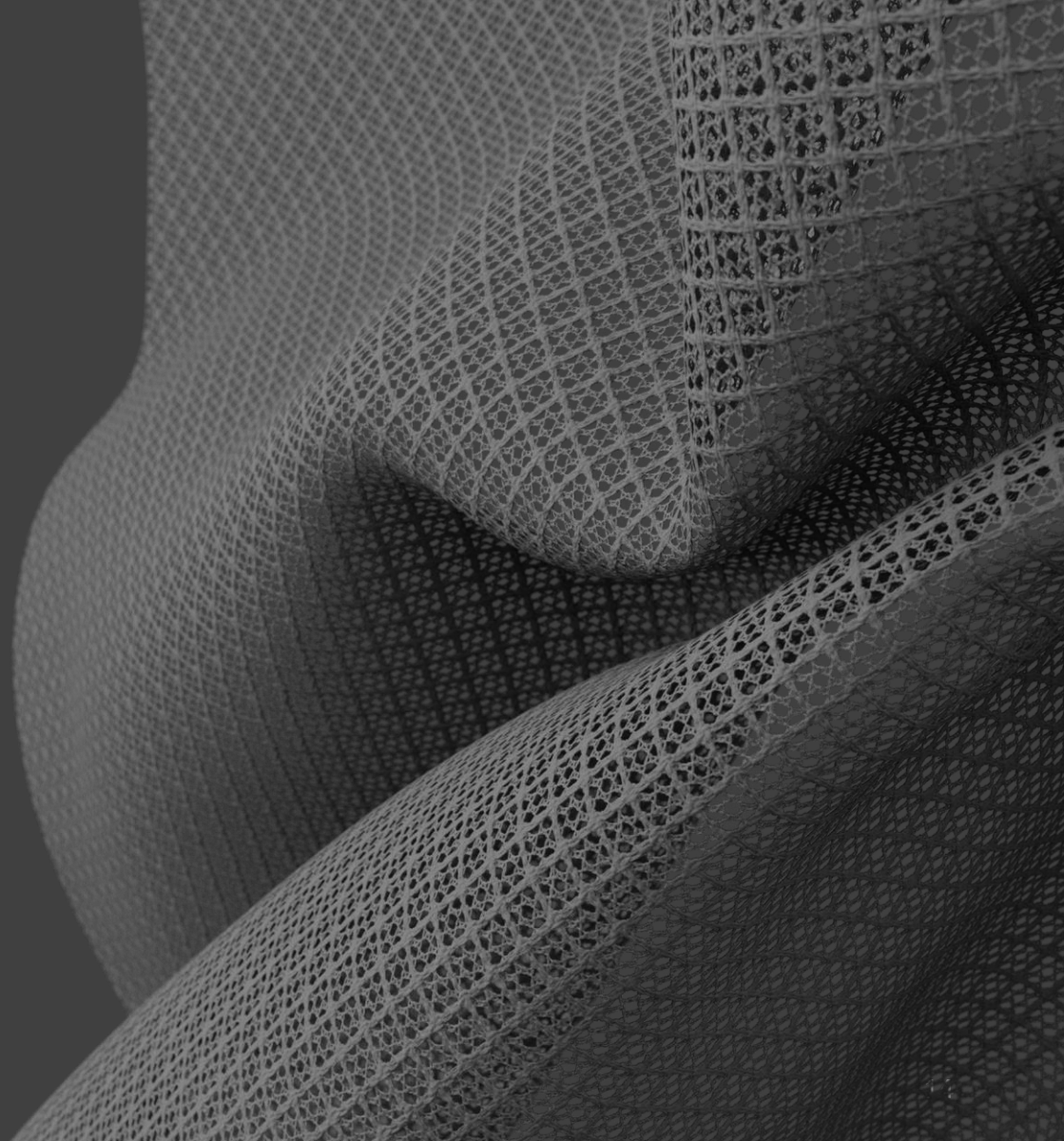


MATERIAL PROPERTIES

Transparency



Conclusion: To visualize a complex material structure, a 3D program requires an image-based description of the individual surface properties. This is the language needed to ensure that the digital material correctly interacts with your 3D environment.



MATERIAL PROPERTIES

Physical parameters

For 3D Fashion realistic drape simulation of a fabric is key.
Such parameters are Bend, Stretch, Weight and Thickness.





**THE ADVANTAGES OF
USING DIGITAL MATERIALS**

SUMMARY: WHY DIGITIZING MATERIALS

HIGH QUALITY DIGITAL MATERIALS ACCELERATING THE MATERIAL AND PRODUCT CREATION PROCESS AT SUPPLIER AND BRANDS



OUR OFFERING

DIGITAL MATERIALS AT YOUR FINGERTIPS

OUR OFFERING

SCANNING TECHNOLOGY



SERVICE OFFERING



IMPLEMENTATION SUPPORT



DIGITIZATION TECHNOLOGY

SCANNING HARDWARE



xTex A4

- xTex A4 desktop scanner
- Scanning area 20 x 28 cm / 7.9 x 11 inch
- High resolution output (up to 2000 dpi)
- Simple installation
- Maintenance free
- Full PBR support (physically based textures)
- Works in any office environment

DIGITIZATION TECHNOLOGY

SCANNING HARDWARE

xTex A2

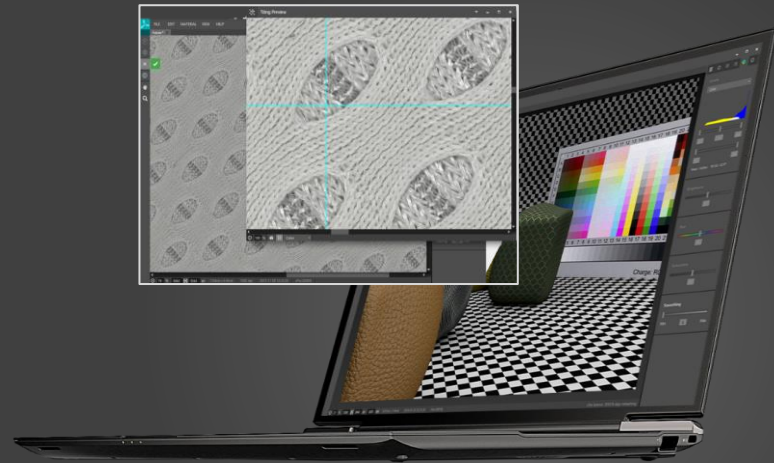
- xTex A2 large format scanner
- Scanning area 60 x 40 cm / 23.6 x 15.7 inch
- High resolution output (up to 750 dpi)
- Fast installation
- Maintenance free
- Full PBR support (physically based textures)
- Works in any office environment



DIGITIZATION TECHNOLOGY

MATERIAL CREATION SOFTWARE

- Acquiring & processing scanning data
- Powerful **tiling** algorithms for seamless materials
- **Recoloring** multicolored materials
- **Render** feature
- Adding **physical properties***
- Easy to use, even for non-experts
- Various output **formats** for utmost compatibility:



* Compatible with 3D CAD

THE VIZOO PHYSX ADD-ON PROVIDES THE PHYSICAL PARAMETERS TO YOUR SCAN

High end fabric presents with the click of a button

- physX online platform provides a vast library of fabric presets
- Easy access & well-organized helps to find the right draping behavior
- Preview draping for Browzwear and CLO3D

PhysX- the smartest database for fabric measurements

Business has changed –
The 21st century fashion industry creates and conceptualises its production lines using computer-aided tools.

[To Data Base](#)

Name	Type	Construction	Composition	Weight
Mesh Knit	Knit	Mesh	Polyester (100%)	45 g/m ²
Polyamide Woven	Woven	Plain weave	Nylon/Polyamide (100%)	50 g/m ²
Dobby Weave	Woven	Dobby	Polyester (100%)	56 g/m ²
Polyester Woven	Woven	Plain weave	Polyester (100%)	56 g/m ²
Woven Lining	Woven	Plain weave	Polyamide (100%)	58 g/m ²
Engineered	Woven	Engineered	Cotton (100%)	64 g/m ²
Nylon stretch downproof	Woven	Plain weave	Nylon (Polyamide) (87%) Elastane (13%)	64 g/m ²
Engineered woven fabric	Woven	Engineered	Cotton (100%)	80 g/m ²

SERVICES

CAREFREE DIGITISATION SERVICE

VIZOO

Are you missing resources, lacking 3D experience or need your materials digitized fast?

✓ On demand material digitization

Let us be your scanning hub! Send your material swatches to our office locations (Germany and US) and our 3D material experts will digitize your material.

✓ High-quality output guaranteed

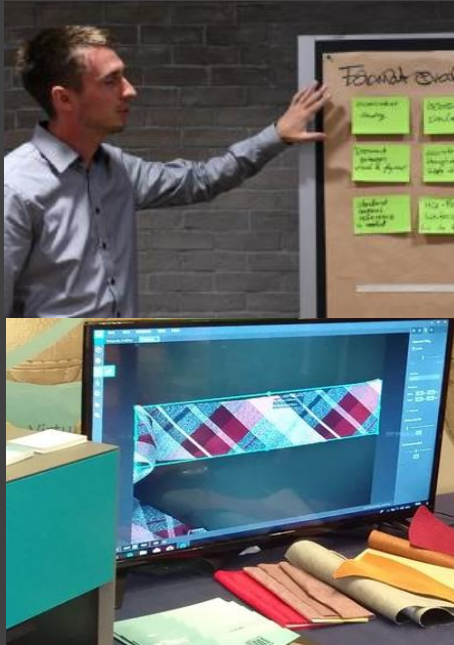
We make sure you get adequate data for your 3D project and consult you in the best ways to feed the assets into your processes.

✓ 3D content showcasing your materials

Your individual look books or product renderings, online shop or other media content. Talk to us about your 3D challenge.



CONFIDENTIAL



Training

- Online and onsite
- Become an expert in material creation

Process Consulting

- Leverage our vast experience in material digitization processes

Supplier onboarding

- Expect your vendors to supply you with digital materials? We help you to formulate the right quality standards and experience a smooth onboarding of your vendors.

VIZOO TECHNOLOGY PARTNERSHIPS

MATERIALS COMPATIBLE WITH STATE OF THE ART TOOLS

3D DESIGN



ASSYST VIDYA



BROWZWEAR
LOTTA & V-STITCHER



CLO CLO3D



OPTITEX



Z-EMOTION



ATOM SHOEMASTER

MATERIAL MANAGEMENT



SWATCHBOOK



CENTRICSOFTWARE



BEPRODUCT

HIGH END VISUALISATION



ADOBE SUBSTANCE



LUXION KEYSHOT



BLENDER

ECOMMERCE

EMERSYA

VIRTUALITY FASHION

METAL

...and many more

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