

# VIZOO

Materials matter.

## MATERIAL DIGITIZATION SOLUTIONS

Company presentation  
Vizoo GmbH  
Munich, January 2022

**VVC**  
Scan 3D

# ABOUT VIZOO

# ABOUT VIZOO

Founded in Germany in **2013**

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

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

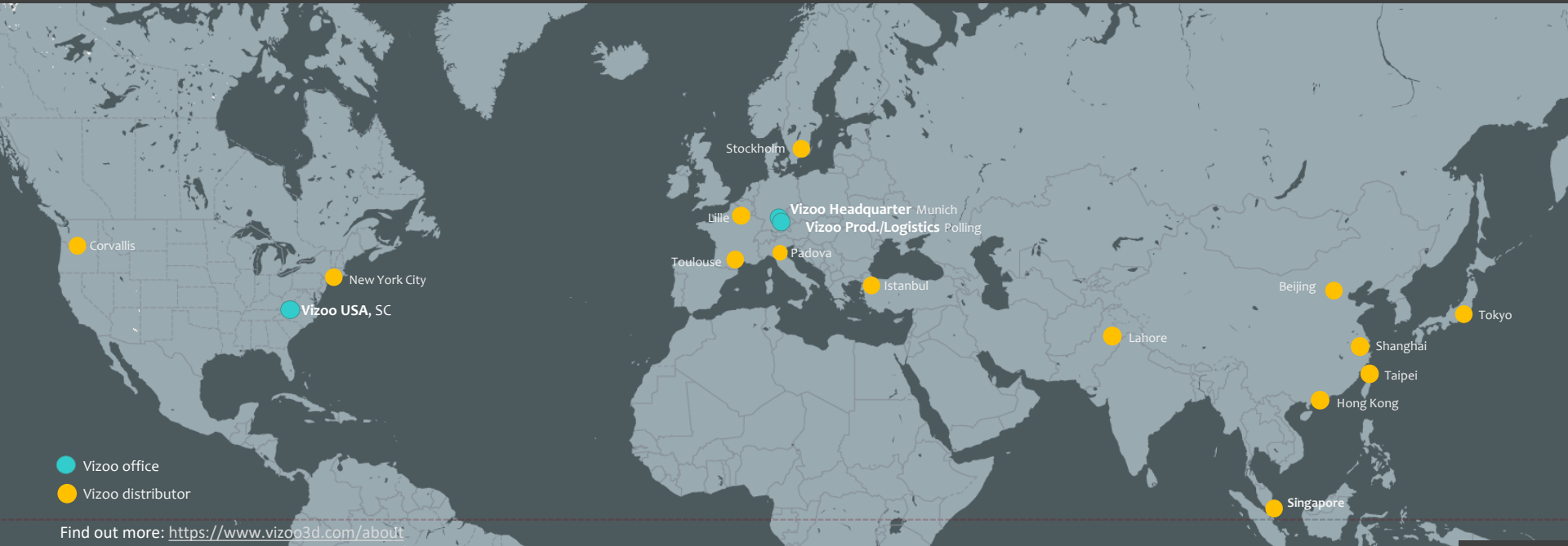
From startup to leading provider of  
**material digitization technology**



*Image: adidas*

# VIZOO OFFICES IN GERMANY AND USA

## SUPPORTED BY A WORLDWIDE DISTRIBUTOR NETWORK



# OUR CLIENT BASE

300+ CLIENTS IN 40+ COUNTRIES



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



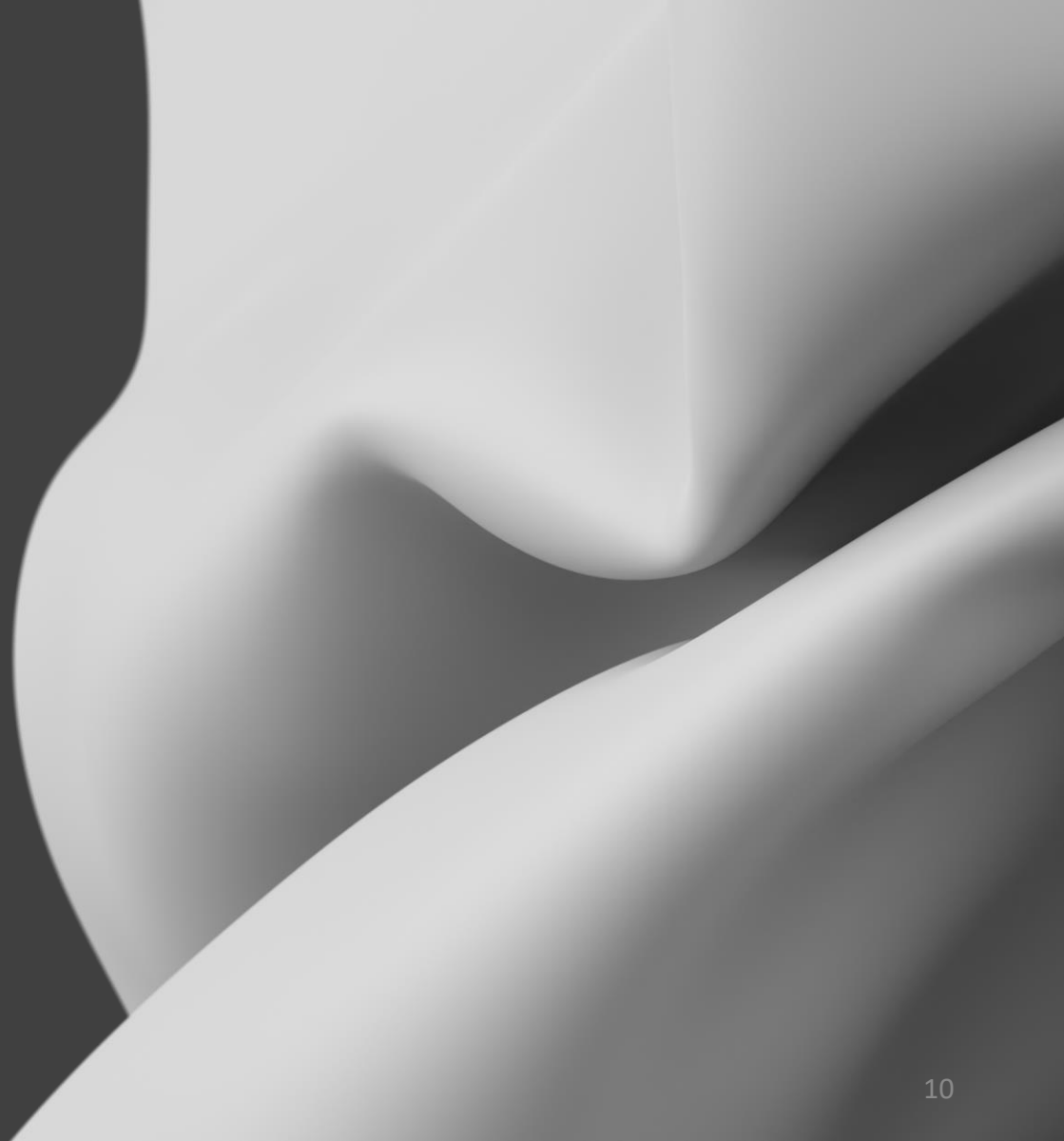
## Supply chain

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

# WHAT IS A DIGITAL MATERIAL?

# MATERIAL PROPERTIES

Base Geometry

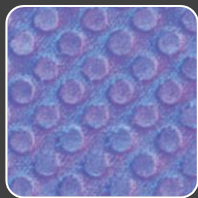




# MATERIAL PROPERTIES

Base Geometry

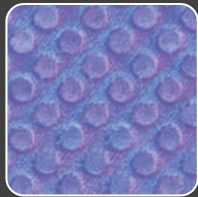
Surface Structure



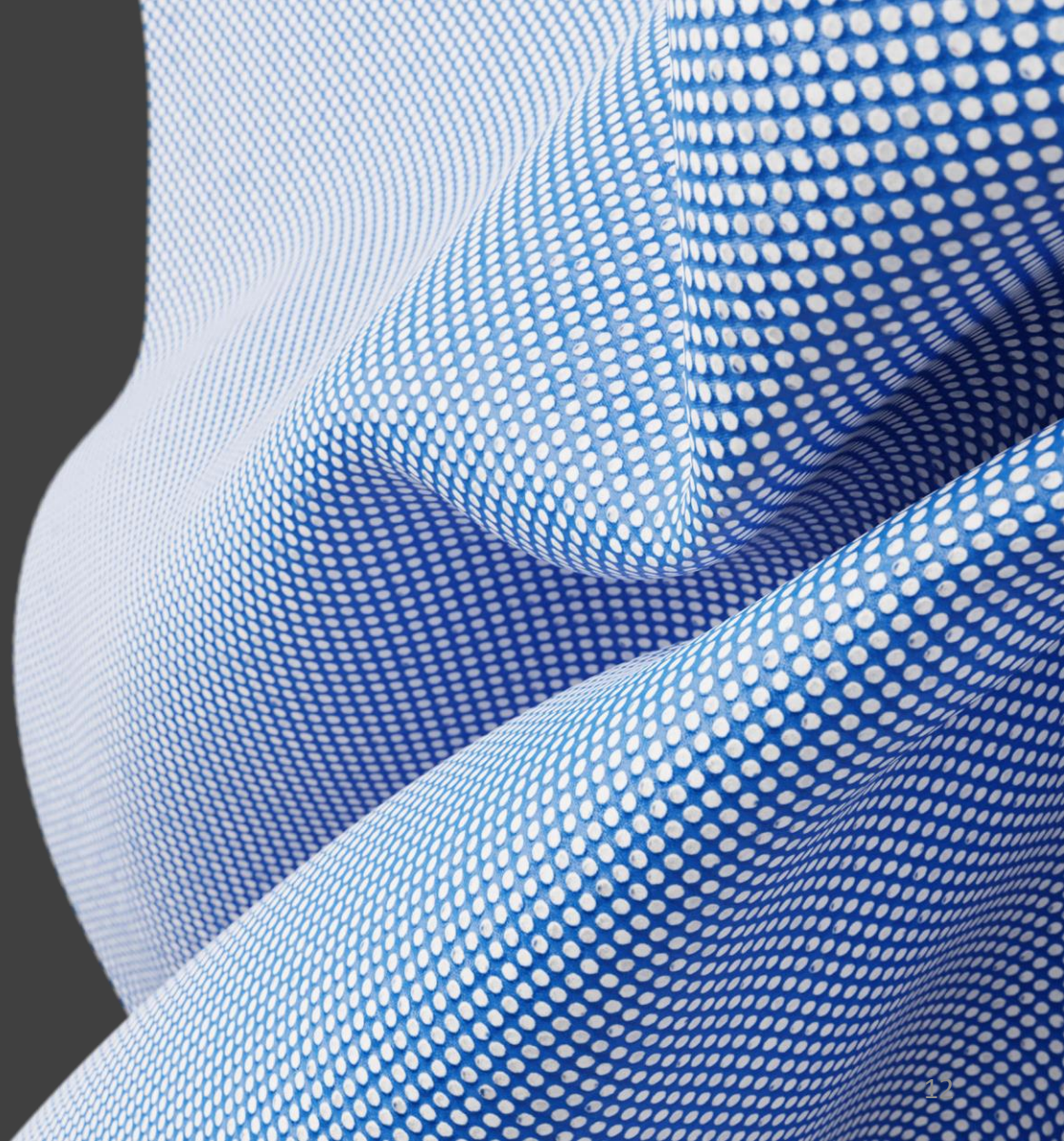
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Base Geometry

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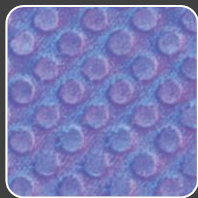
Color



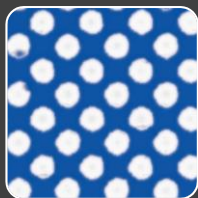
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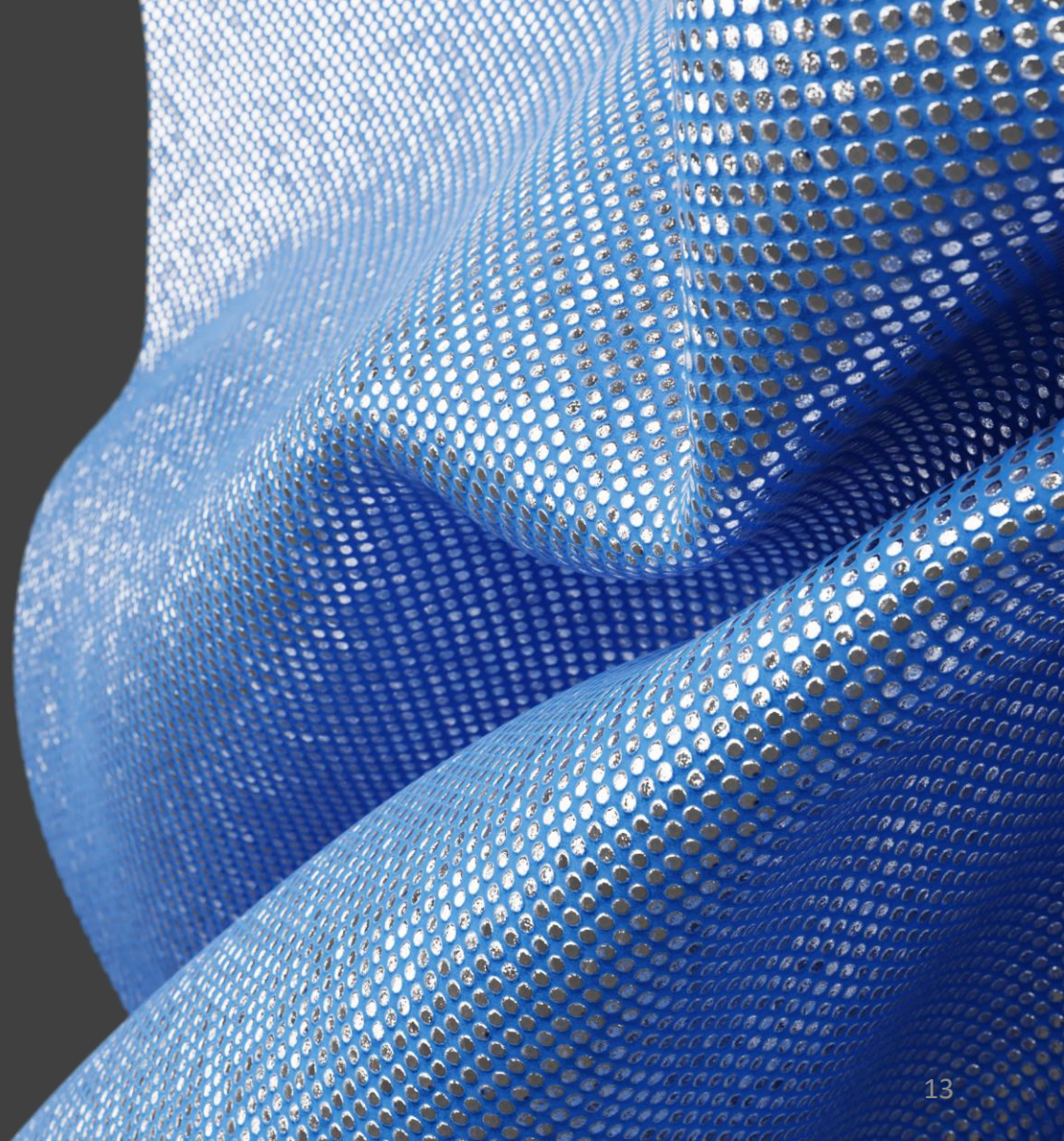
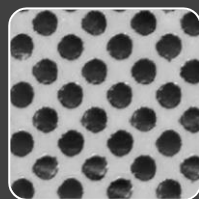
Surface Structure



Color

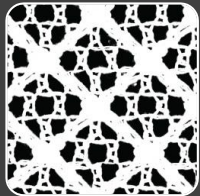


Reflectivity

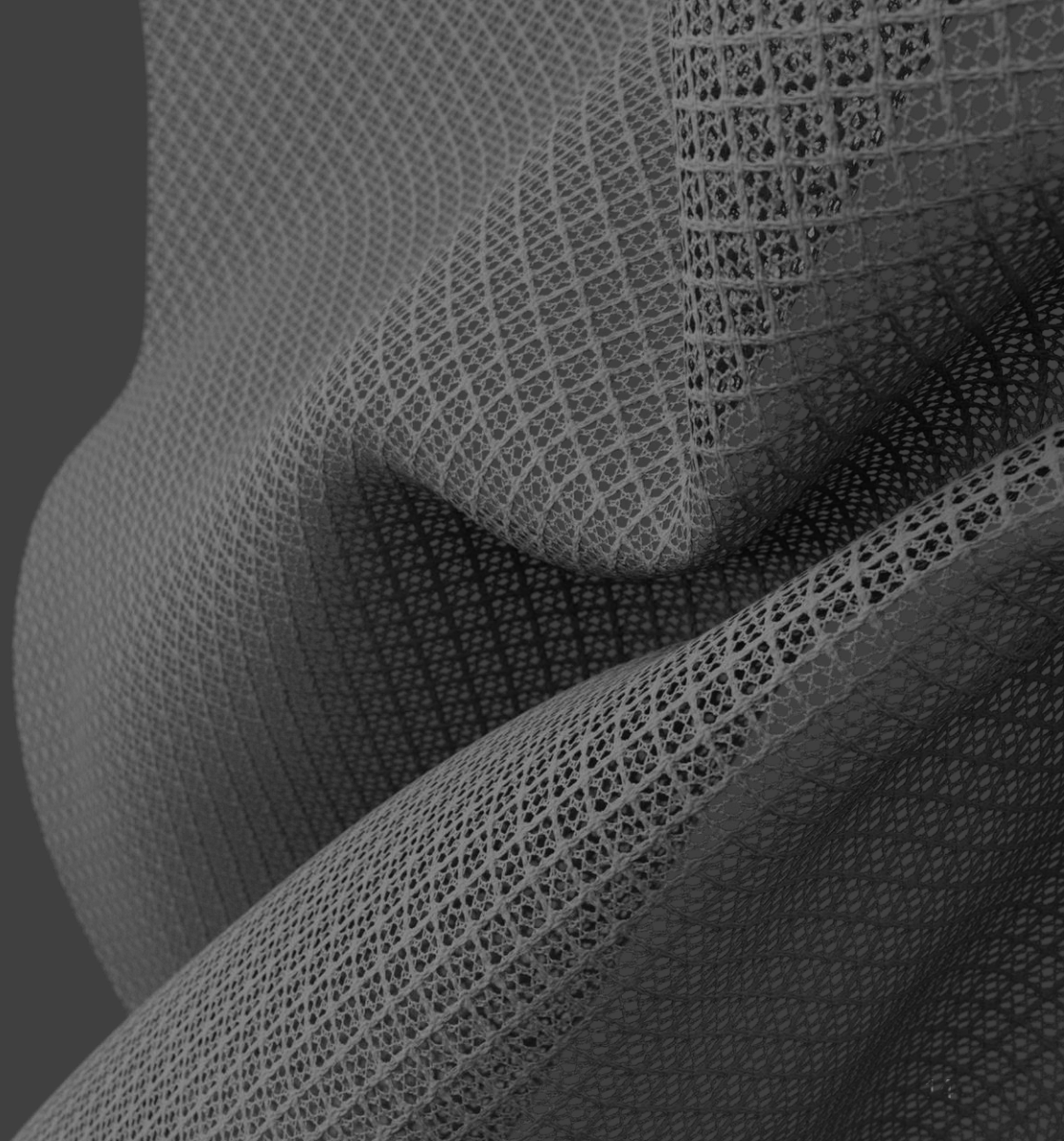


# MATERIAL PROPERTIES

## 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:



xTex



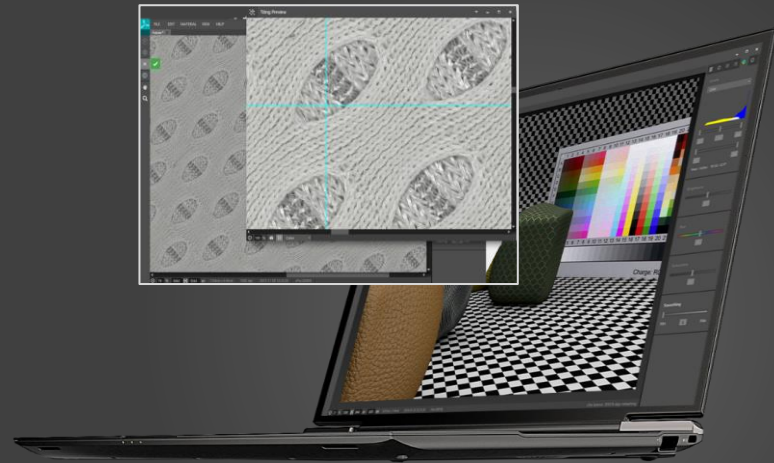
U3M



SBS



MDL



\* 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 <sup>2</sup>
Polyamide Woven	Woven	Plain weave	Nylon/Polyamide (100%)	50 g/m <sup>2</sup>
Dobby Weave	Woven	Dobby	Polyester (100%)	56 g/m <sup>2</sup>
Polyester Woven	Woven	Plain weave	Polyester (100%)	56 g/m <sup>2</sup>
Woven Lining	Woven	Plain weave	Polyamide (100%)	58 g/m <sup>2</sup>
Engineered	Woven	Engineered	Cotton (100%)	64 g/m <sup>2</sup>
Nylon stretch downproof	Woven	Plain weave	Nylon (Polyamide) (87%) Elastane (13%)	64 g/m <sup>2</sup>
Engineered woven fabric	Woven	Engineered	Cotton (100%)	80 g/m <sup>2</sup>

# 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

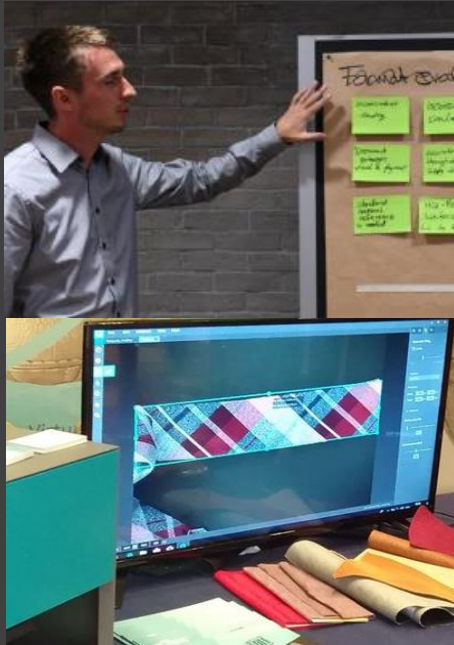
We make sure you get adequate data for your 3D project and consult you in the best ways to feed the assets into your processes.

## ✓ 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

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ASSYST VIDYA



BROWZWEAR  
LOTTA & V-STITCHER



CLO CLO3D



OPTITEX



Z-EMOTION



ATOM SHOEMASTER

### MATERIAL MANAGEMENT

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SWATCHBOOK



CENTRICSOFTWARE



BEPRODUCT

### HIGH END VISUALISATION

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ADOBE SUBSTANCE



LUXION KEYSHOT



BLENDER

### ECOMMERCE

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EMERSYA

VIRTUALITY FASHION

METAL

...and many more

# FOR MORE INFORMATION CONTACT US



## Email or Phone

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## Visit us online

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