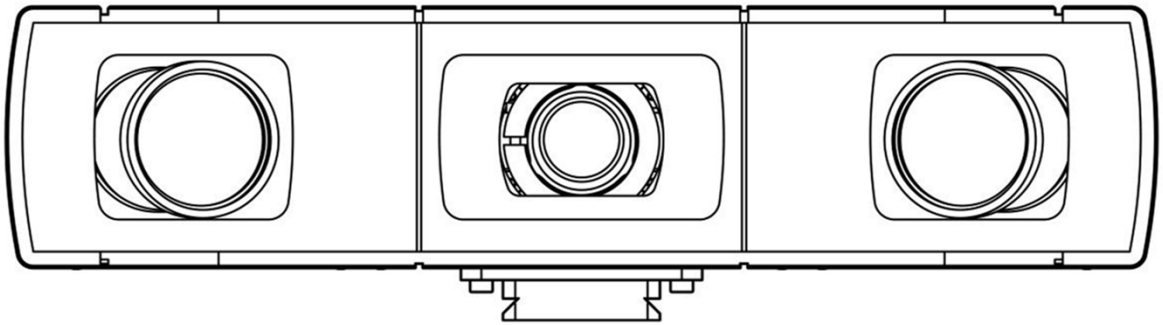
Get to know the new GOM Scan 1


GOM Scan 1
The next small thing



Catching the details with GOM Scan 1

MV 100, 200, 400

GOM Technology	GOM Inspect Software	Compact Design
Fringe projection system	Well-established standard	2,5 kg
Blue Light Technology	Intuitive workflow	290 x 215 x 80 mm³
Stereo Cameras (6M)	Powerful mesh editing functions	USB 3 connection

Capture and create your ideas

The new GOM Scan 1 with GOM Inspect supports tasks such as 3D printing, 3D models of a part and reverse engineering. It captures high quality data in a short amount of time while the powerful mesh editing functions make it easy to replace parts, produce precise 3D models or develop new products. Whatever your idea, GOM Scan 1 meets professional and industrial standards to make it happen.

Small, mobile and super easy to use

GOM Scan 1 is the specialist for simple and fast measurements of small to medium-sized parts – even in confined spaces.

Key applications

Additive Manufacturing

Actual comparison with CAD

Visualization of rework requirements

Dimensional certification

Reverse Engineering

From shape to CAD

Easy to modify and adapt

Spare parts creation

Art, design, cultural assets

3D models (3D Renderings)

Creation of digital copies

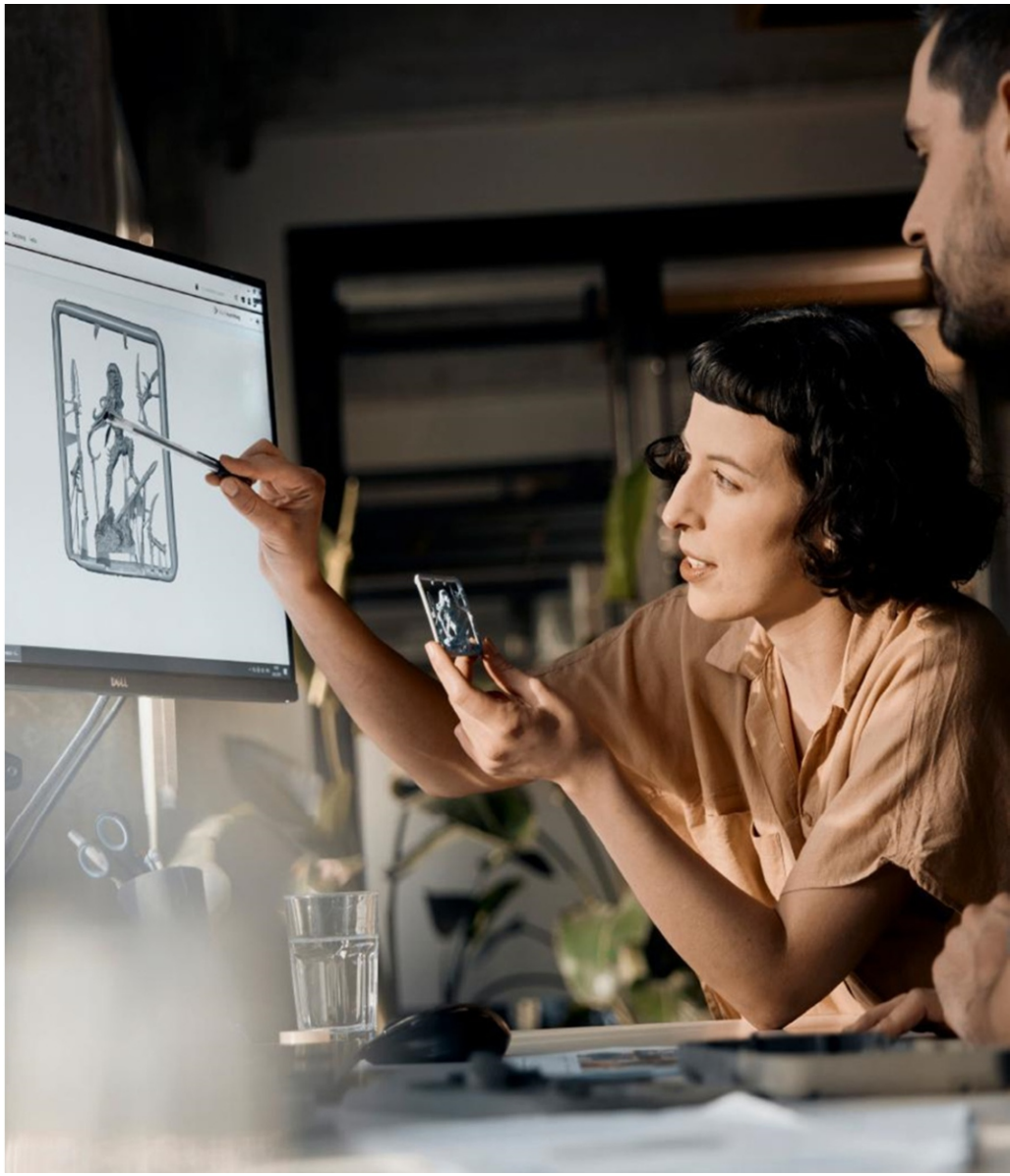
Archiving cultural assets

3D Inspection

Check parts to CAD or Drawing

Statistical process control

Identify process problems faster



Measure and inspect your products

GOM Scan 1 with GOM Inspect is a system to support your entire workflow. It helps you to get accurate and comprehensive measurement results and makes part inspection effortless. Import and align CAD and mesh files, create surface comparisons, inspection sections and generate reports – easily and efficiently.

A self monitoring system for real life issues

Due to the stereo camera principle, the sensor recognizes changing ambient conditions during operation and can compensate for these changes. To ensure the quality of the measuring data, the software of the sensor continuously monitors the sensor status.

Precision in all lighting conditions: GOM’s Blue Light Technology

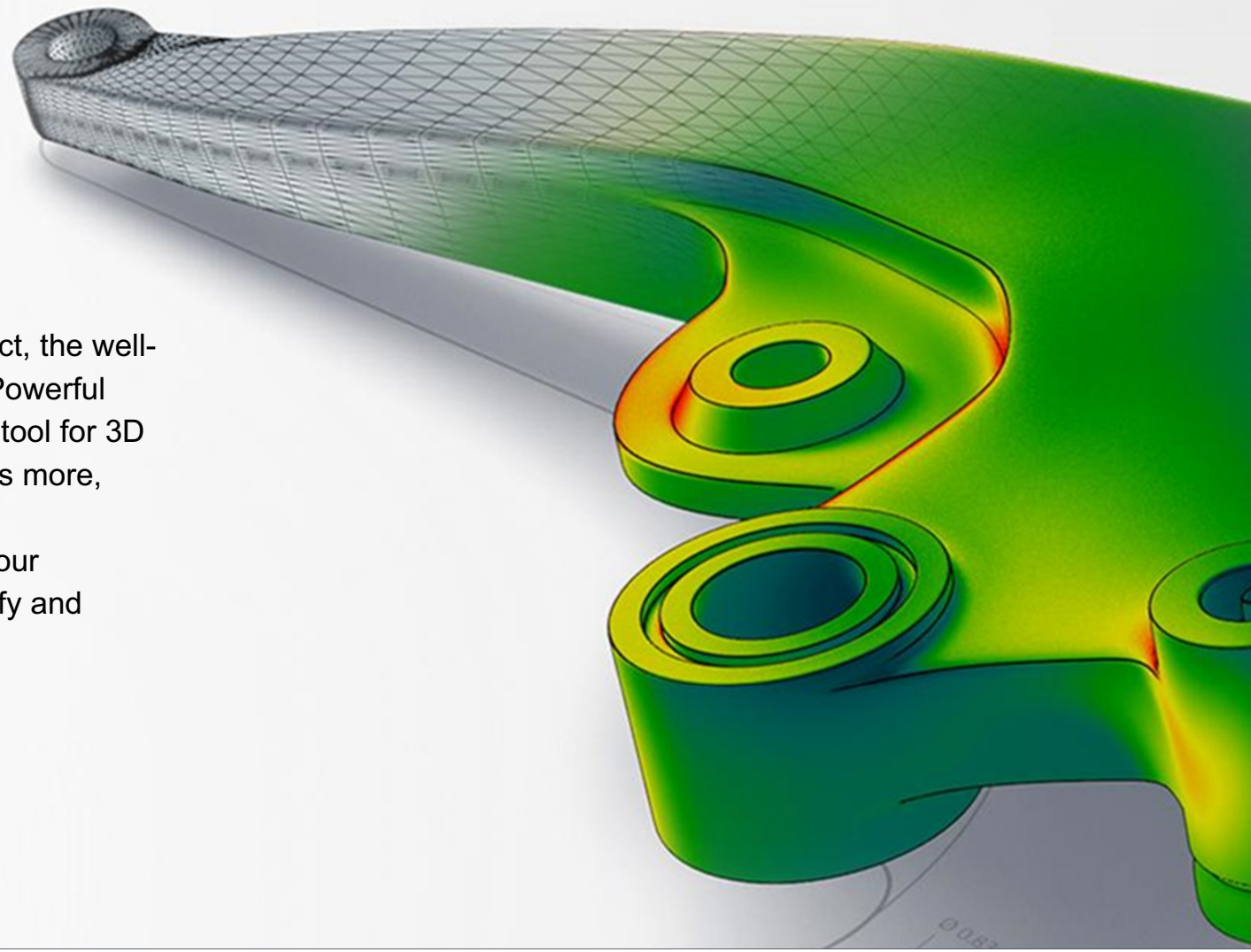
The projection unit of the new GOM Scan 1 is based on Blue Light Technology. Since the sensor works with narrowband blue light, interfering ambient light can be filtered during image acquisition. Due to its powerful light source, short measuring times can be achieved.

Prepare to print with intelligent mesh editing

GOM Inspect lets you smooth, thin and refine polygon meshes, fill holes or extract curvature lines, achieving very accurate meshes that can be saved in many common formats. The best part: our smart polygonization. It creates a mesh with highest detail while keeping the mesh size easy-to-handle.

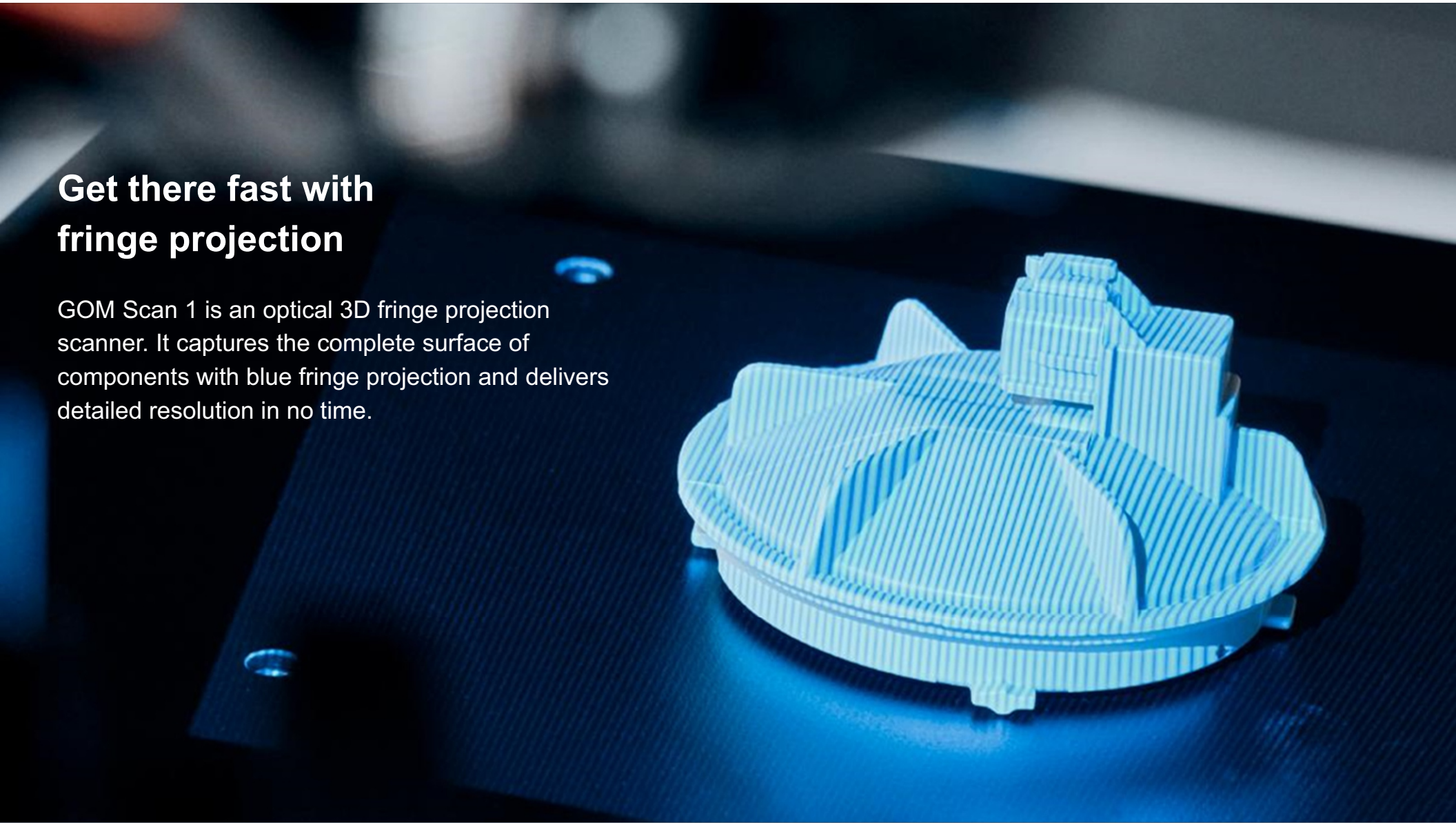
A software that guides you

GOM Scan 1 operates with GOM Inspect, the well-established standard in 3D metrology. Powerful mesh editing functions make it an ideal tool for 3D printing and reverse engineering. What's more, you can effortlessly handle simple and complex tasks throughout your inspection process. A software to simplify and speed up your workflow.



Choose your measuring volume

Different applications have different requirements: GOM Scan 1 is available in three versions with the measuring volumes: MV 100, MV 200 and MV 400. With all three sensors you can rely on high-precision measurements for small to medium-sized objects.



Get there fast with fringe projection

GOM Scan 1 is an optical 3D fringe projection scanner. It captures the complete surface of components with blue fringe projection and delivers detailed resolution in no time.

Tools to support you

GOM Scan 1 comes with useful additional accessories to support your daily workflow. GOM ROT 350 is an automated rotation table to facilitate your scanning process. Use the desk stand or tripod to mount the scanner. Pack everything in the travel case and carry it wherever it can help you to get things done.

Technical Data
GOM Scan 1

Type	GOM Scan 1 (100)	GOM Scan 1 (200)	GOM Scan 1 (400)
Light source	LED	LED	LED
Points per scan	6 million	6 million	6 million
Measuring area [mm²]	100 x 65 mm²	200 x 125 mm²	400 x 250 mm²
Point distance [mm]	0.037 mm	0.060 mm	0.129 mm
Working distance [mm]	400 mm	450 mm	500 mm
Weight	approx. 2.5 kg	approx. 2.5 kg	approx. 2.5 kg
Dimensions [mm³]	290 x 215 x 80 mm³	290 x 215 x 80 mm³	290 x 215 x 80 mm³
Cable length	5 m	5 m	5 m
Operating system	Windows 10	Windows 10	Windows 10
Software	GOM Inspect	GOM Inspect	GOM Inspect

Use the new GOM Scan 1 for

- 3D printing
- Reverse engineering & manufacturing
- Virtual display or 3D models
- Research and education
- Art and heritage
- Design
- Healthcare

Thank you.

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