



**Kawan Lama
Solution**

ZEISS

3D Metrology Solutions

#HandsOnMetrology



ZEISS T-SCAN HAWK 2

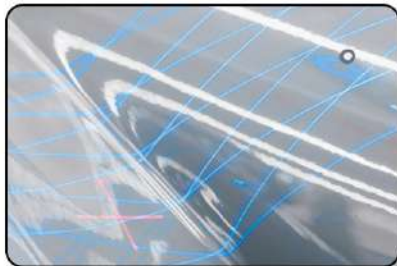
Take it. Make It.

ZEISS T-SCAN hawk 2 is your lightweight, portable 3D laser scanner to get about anything done.



Features :

YOUR PERFECT WORKING DISTANCE



Control your working distance with a new projection mode – a red laser marker helps you to easily adjust for perfect scanning results.

A SOLUTION THAT ADAPTS TO YOUR WORKFLOW



The flow is yours – T-SCAN hawk 2 is intuitive to operate and adapts easily to the movement of your hand.

CAD MODELING WITH ZEISS REVERSE ENGINEERING



Scan 3D data with T-SCAN hawk 2, import it to ZEISS Reverse Engineering and let the software guide you to a high-precision CAD model in just a few steps.

Everything at hand: Your case for traveling

Whether you take it to production or outside, the 3D laser scanner travels with you in just one case, containing additional tools.

T-SCAN hawk 2

- Calibration panel
- Hyperscale
- Toolbox
- Reference points
- Power delivery hub



Operate with a push of a button

T-SCAN hawk 2 features four buttons to start and navigate your workflow directly. No need to operate the software separately on your laptop.

Ready to take on many applications

Whether it's about finding defects, quality control in production areas or digital twins, reverse engineering, design or the customization of a car



Technical Data	ZEISS T-SCAN hawk 2
High-speed scanning	Included (multiple blue laser crosses)
Deep pockets	Included (single blue laser line)
Flexible depth of field	Included (on-object distance radar)
Detailed scan	Included
One-shot sensor recalibration	Included (HyperScale)
Large parts	Included (Satellite mode, no coded targets required)
Carbon-fibre lengths standards	Certified (DAKs / ILAC) (According to DIN EN ISO/IEC17025:2018)
Volumetric accuracy	0.02mm + 0.015mm/m (Acceptance Test based on ISO 10360)
Laser class	(IEC 60825-1:2014) Class 2 (eye-safe)
Weight	< 1kg
Cable	10m (ultra-light)
Software	ZEISS Quality Suite / GOM Inspect
Full remote workflow	Supported

GOM SCAN 1

The next small thing.



A SMALL SCANNER FOR PRECISE MESHES AND BIG IDEAS

GOM Scan 1 is here to open up new possibilities. Industrial standards such as fringe projection technology and Blue Light Technology deliver the foundation for detailed and accurate 3D meshes. Meanwhile, the integrated software GOM Inspect helps you apply the mesh to any project you want: 3D printing, reverse engineering or part inspection. So, go ahead and start something big



Type	GOM Scan 1 (100)	GOM Scan 1 (200)	GOM Scan 1 (400)
Light source	LED		
Points per scan	6 million		
Measuring area [mm ²]	100 x 65 mm ²	200 x 125 mm ²	400 x 250 mm ²
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		
Dimensions [mm ³]	290 x 215 x 80 mm ³	290 x 215 x 80 mm ³	290 x 215 x 80 mm ³
Cable length	5 m		
Operating system	Windows 10		
Software	GOM Inspect		



A POWERFUL 3D SCANNER



SMALL, MOBILE AND SUPER EASY TO USE



FAST AND PRECISE

ATOS Q

Quality starts with Q.



THE RELIABLE HIGH PERFORMER OF INDUSTRIAL 3D SCANNING

Mobile, versatile and precise: ATOS Q is ready for your shop floor. Designed as a flexible 3D scanner for complex measurement and inspection tasks, it meets high metrological demands for many industries. In combination with GOM Inspect, it's a fast, compact and simple-to-operate optical 3D measuring system with real ATOS DNA.



Type	ATOS Q 8M	ATOS Q 12M
Light Source	LED	
Points per scan	8 million	12 million
Measuring area (mm ²)	100 x 70 – 500 x 370	
Point distance (mm)	0.04 – 0.15	0.03 – 0.12 mm
Working distance (mm)	490 mm	
Weight	approx. 4 kg	
Dimensions	approx. 340 mm x 240 mm x 83 mm	
Cable length	10 m fiber optic cable	
Operating system	Windows 10	
Measuring volumes	100, 170, 270, 350, 500	



DESIGNED FOR INDUSTRY USE



PACKED WITH CUTTING-EDGE TECHNOLOGY

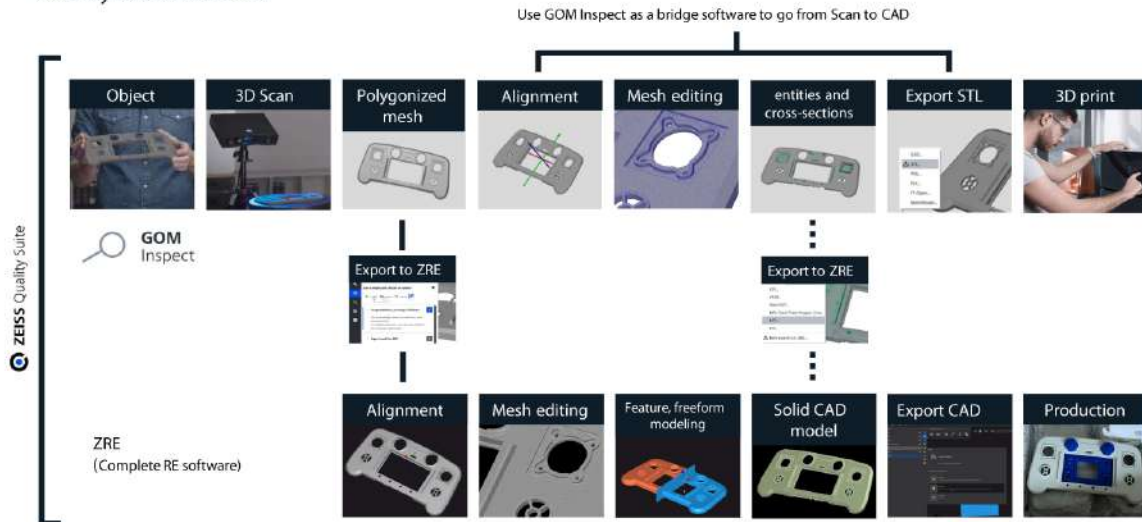


FAST RESULTS, EXCEPTIONAL PERFORMANCE

COMPLETE YOUR 3D SCANNING SOLUTION WITH ADDITIONAL SOFTWARE & TOOLS : ZRE (ZEISS REVERSE ENGINEERING)

Reverse Engineering process
The way to a CAD model

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3D SCANNING SPRAY



AESUB – a new revolutionary scanning spray. Helps to digitize reflecting and transparent surfaces and evaporates after the 3D scanning. No more mess, no more cleaning, easy to apply, thin layer, super quality – state of the art scanning spray!



Product	AESUB Blue	AESUB Orange	AESUB White	AESUB Transparent	AESUB Green	AESUB Yellow
Delivery form:	aerosol can 400 ml		bulk 1L, 5L, 200L		bulk 200 ml	
Measurement volume:	S-M	S-L	S-XL	S-M	L-XL	XS-S
Application:	[Spray icon]		[Gun icon]		[Gun icon]	
Spraying distance:	15-20 cm			5-10 cm		
Coating:	vanishing	vanishing	permanent	vanishing	vanishing	vanishing
Effective scan time:	1-2 h	4-8 h	permanent	1-2 h	1-2 h	2-4 h
Sublimation time:	4 h	12-24 h	—	4 h	6 h	4-6 h
Colour:	white	white	white	transparent	white	white
Contain pigments:	no	no	yes	no	no	no
Contain titan dioxide:	no					
Layer thickness:	8-15 µm	2-6 µm	7 µm	15-20 µm	10-20 µm	0.5-1 µm
Adhesion of reference points:	yes	yes	no	yes	yes	yes
Coverage area:	4 m² / can	4 m² / can	4 m² / can	4 m² / can	15 m² / L	20 mm² / ml
Optimal processing temperature:	21°C (69.8°F)					
Shelf life:	5 years					
Packaging unit:	12 / box	12 / box	12 / box	12 / box	6 x 1L / box 5L 200L	12 x 200 ml / box

TARGET-BASE CLAMPING SYSTEMS FOR 3D SCANNING

Modular clamping systems for all application fields in measurement, testing and laser technology as well as for machine vision and sensor technology.



3D PRINTER

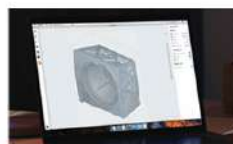
formlabs

THE NEXT GENERATION OF INDUSTRIAL 3D PRINTING

DESIGN

PRINT

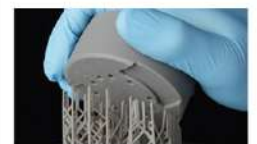
POST-PROCESS



Design your model in the CAD software of your choice and import an STL or OBJ file into our Pre-Form print preparation software.



Print your parts on a Form 3L or Form 3BL 3D printer.



Wash and post-cure your parts with our post-processing solutions and easily tear away any supports so your parts are ready for use.



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