# Dear Mr/Mrs customer name

Discover ZEISS T-SCAN hawk 2, the next-generation, portable 3D laser scanner.

START HERE

**Zebicon a/s**
**Katja Ramsing**
Salgschef
+45 4196 4956
kr@zebicon.com

**Part of #HandsOnMetrology**


ZEISS
Take it. Make it.
ZEISS T-SCAN hawk 2
zeiss.com




Click to navigate

**Fast and smooth scanning. Intuitive operation. Guided workflows. Great software. Made in Germany. Made by ZEISS. Made for you.**

**ZEISS T-SCAN hawk 2**
**Take it. Make it.**

# The tool to get about anything done

# Handheld precision, developed and produced by ZEISS

The portable T-SCAN hawk 2, the next-generation lightweight 3D laser scanner, comes with metrology-grade precision and remarkable ease of use.

Developed and produced **in Germany**.

Acceptance testing is certified for the highest industry standards.

# 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.

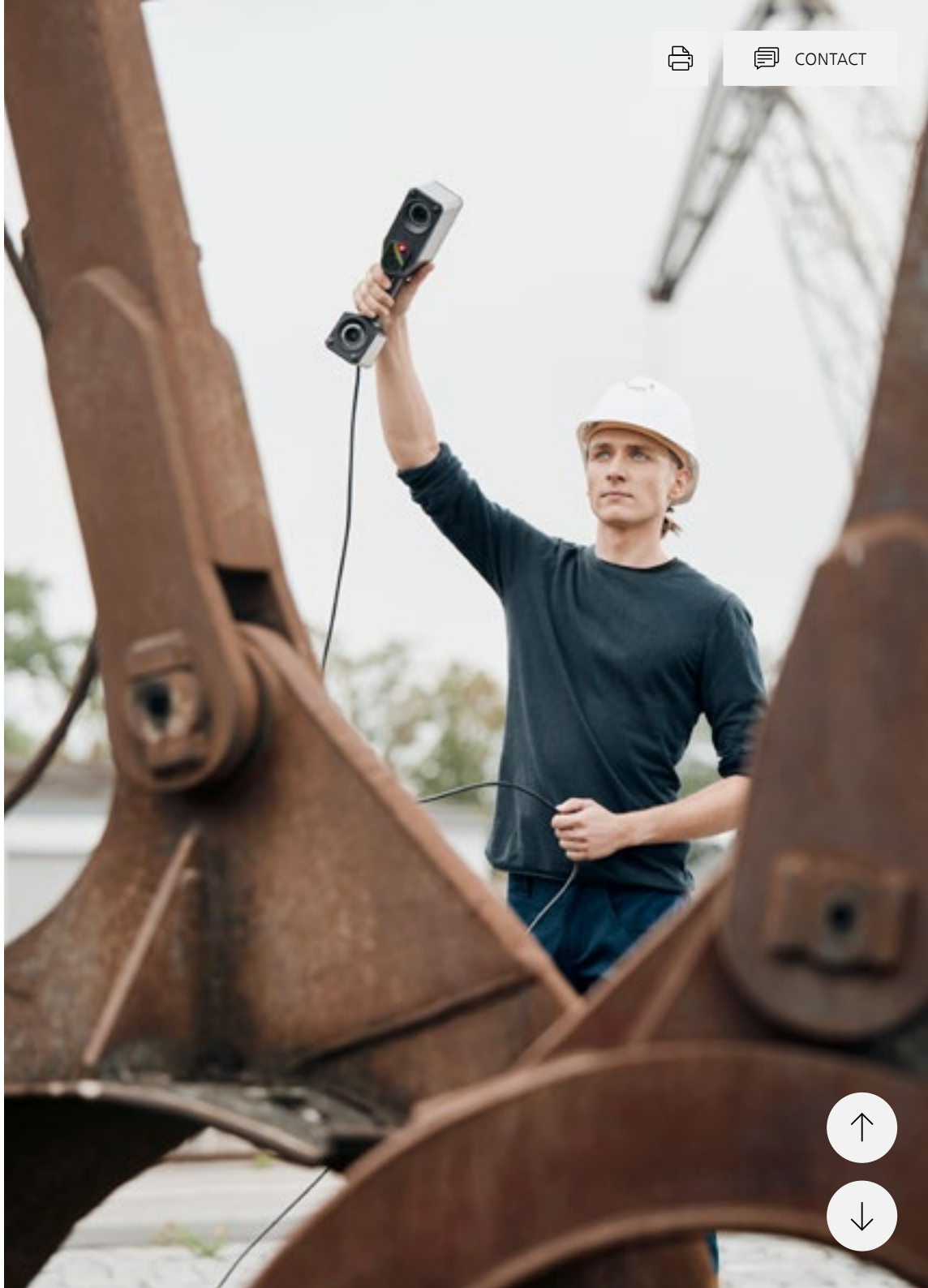
# A solution that adapts to your workflow

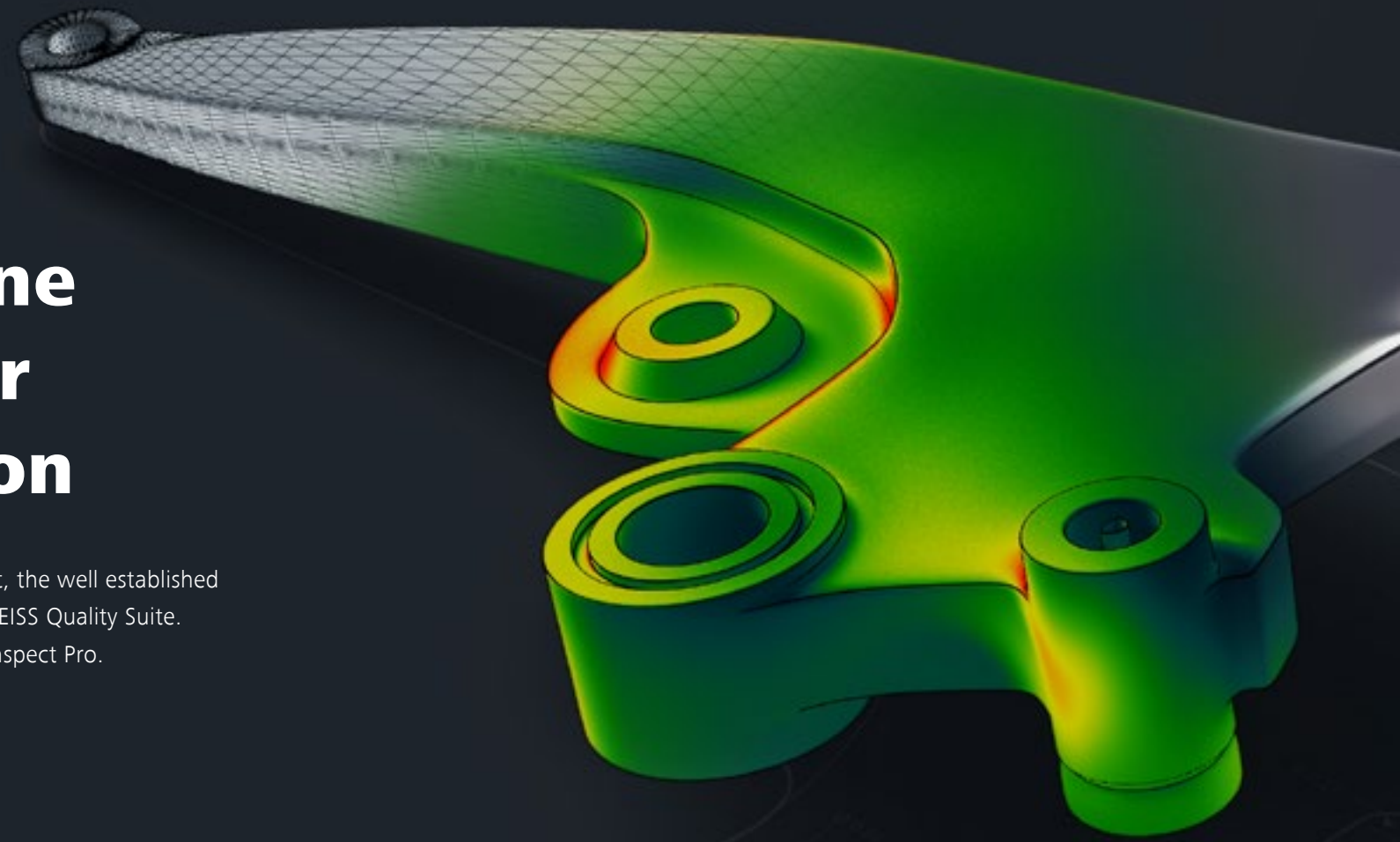
The flow is yours – T-SCAN hawk 2 is intuitive to operate and adapts easily to the movement of your hand.

# Introducing the new satellite mode

# Go big with the new satellite mode

T-SCAN hawk 2 is the first portable laser scanner with the new satellite mode to scan objects up to multiple meters. No need for the classical built-in photogrammetry with coded markers. No compromise on accuracy. Easy scanner positioning with the new laser grid.





# The all-in-one software for 3D inspection

T-SCAN hawk 2 operates with GOM Inspect, the well established standard in 3D metrology and part of the ZEISS Quality Suite.
For 14 days, enjoy your free trial of GOM Inspect Pro.

LEARN MORE

Click to visit the HandsOnMetrology website

# 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.

LEARN MORE

Click to visit the HandsOnMetrology website

# Controlling quality where it matters

# Reference standards used for system qualification

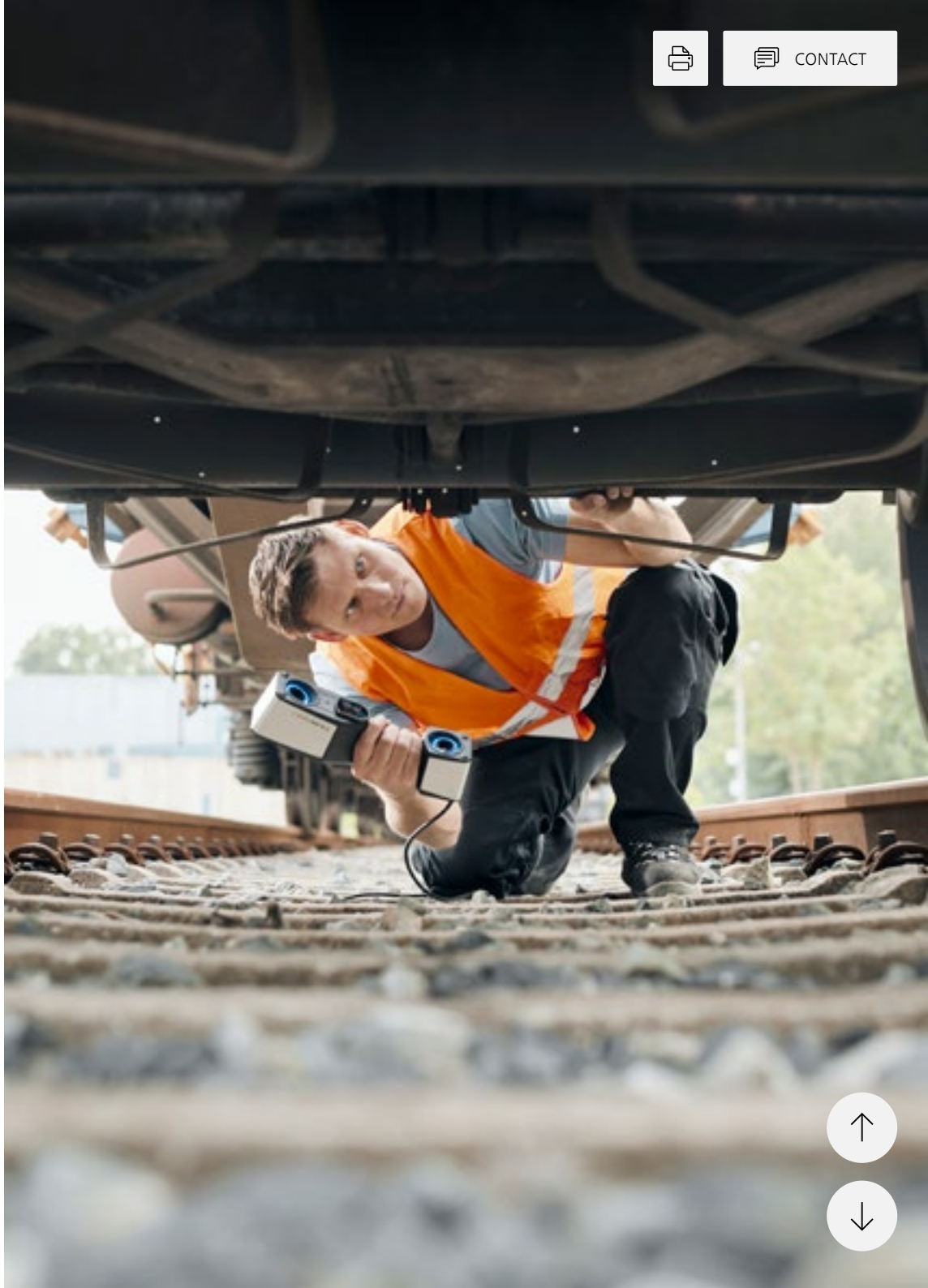
Carl Zeiss GOM Metrology GmbH is an accredited laboratory in the fields of calibration of length and coordinate standards for optical metrology.

Each T-scan hawk 2 system is delivered with three DAkkS-calibrated, traceable length standards and one DAkkS-calibrated, traceable coordinate standard which are used for system qualification.

ilac-MRA DAkkS Deutsche Akkreditierungsstelle D-K-21312-01-00

# Switching between different tasks

T-SCAN hawk 2 features seamless adjustments for resolution and field of view. Whether small parts, fine details, larger objects or deep pockets, confined spaces or hard-to-reach areas, this 3D laser scanner does the job.



# 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.

# Strong on dark and shiny surfaces

T-SCAN hawk 2 supports scanning on a wide range of materials and surfaces, delivering 3D measurement data with the highest precision.

# Capturing data wherever you need it

# 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

# Made for maintenance

# 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: T-SCAN hawk 2 is ready.

LEARN MORE

Click to watch our Getting Started sessions

# Some tasks to get the job done with ZEISS T-SCAN hawk 2:

**Maintenance**

- 3D inspection of dents, corrosion and damage
- 3D scanning and remanufacturing of legacy parts
- Indoor and outdoor, in rugged and harsh environments
- Wear monitoring

**Reverse engineering**

- From shape to CAD
- Archiving tools and cultural heritage
- Everything from small details to very large repairing of parts

**Quality control**

- Actual comparison with CAD
- Functional dimensioning
- Shop floor inspection
- Reducing the number of iteration in your process

**Design**

- Digitalize complex shapes and physical objects
- Design modification
- Interior design
- 3D visualisation

**Industries**

- Automotive
- Shipping
- Railway
- Aerospace
- Energy generation
- Oil and gas industry
- Agriculture, forestry and mining
- Heavy industry
- Mold and machine manufacturing

# Take it. Make it.

Get inspired by the world of T-SCAN hawk 2


Click to play the video in your browser

# 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 (DAkks / ILAC) (1) |
| Volumetric accuracy | 0.02mm + 0.015mm/m (2) |
| 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 |

(1) D-K-21312-01-00 according to DIN EN ISO/IEC17025:2018
(2) Acceptance Test based on ISO 10360

# Contact us

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**Carl Zeiss**
**GOM Metrology GmbH**

Schmitzstraße 2
38122 Braunschweig
Germany
Phone: +49 531 390290
support@handsonmetrology.com

Check out the go-to for 3D scanning:
**HandsOnMetrology.com**