

FOR
MORE
SHINING
IDEAS

SHINING 3D

Focusing on High Accuracy 3D Vision Technology

PART 1: Keyword - 3D scanning

What Does SHINING 3D Do?

- Specialization in High-Accuracy 3D Vision Technology
- Development of High-Accuracy 3D Scanners
- Serves Industrial 3D Measurement with High-Accuracy 3D Scanners



High Accuracy 3D Vision Technology



3D Vision Technology is setting new workflows in digital design, simulation, manufacturing, inspection, robot navigation etc. and shaping these fields by capturing 3D models of objects and offering precise surface shape and texture data, to shorten development process, improve production quality and save overall cost.

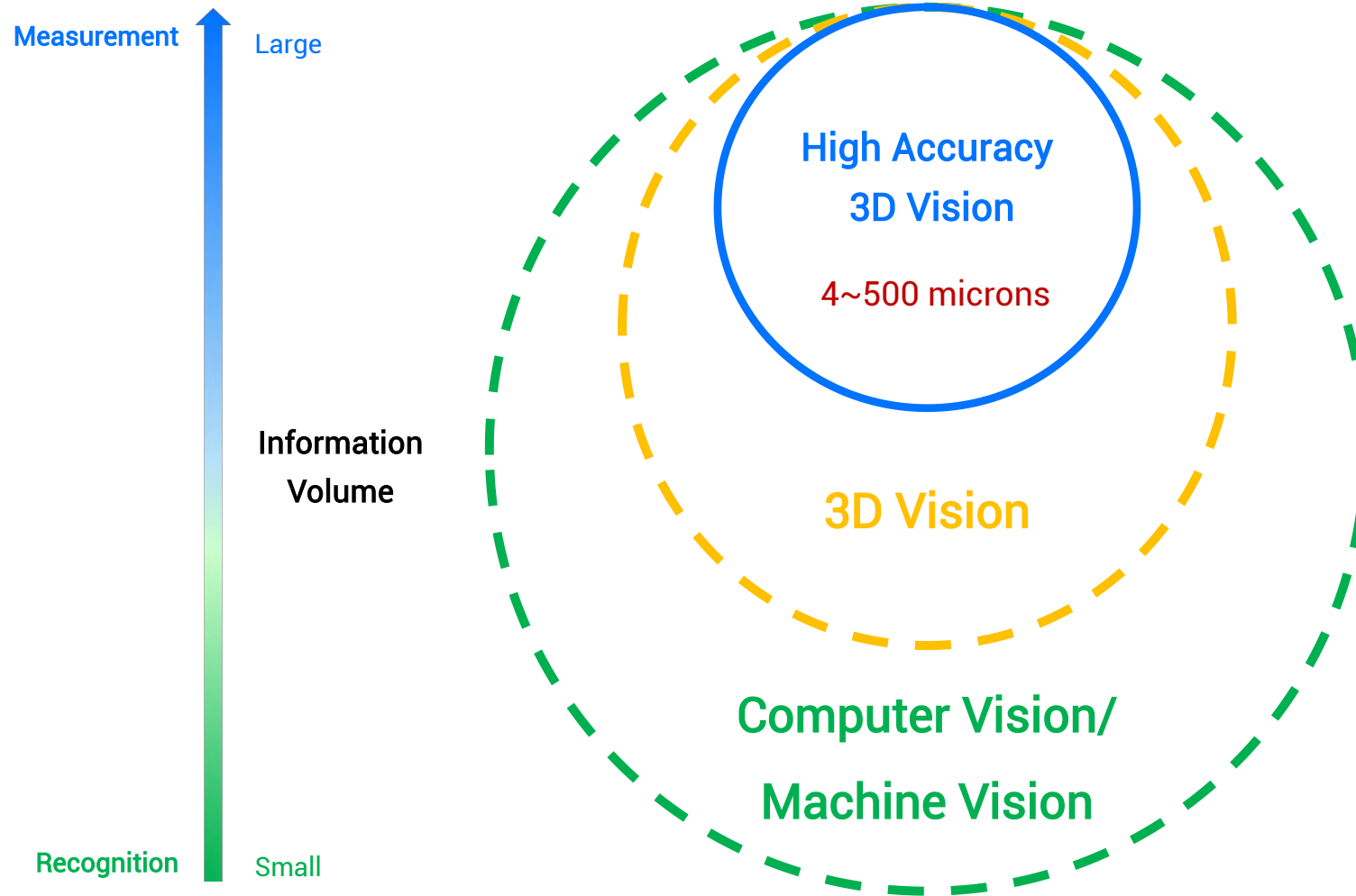


3D Digitizing



Digital Dentistry

High Accuracy 3D Vision Technology



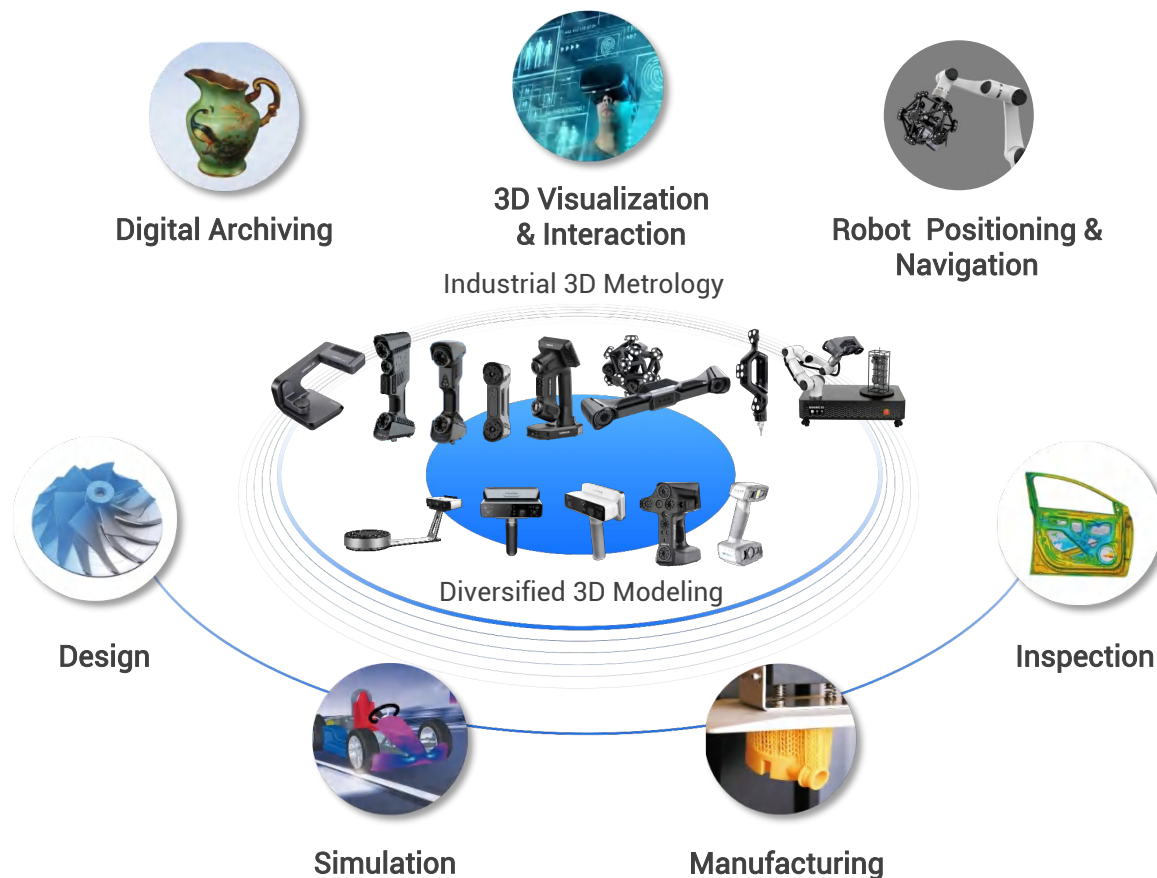
Real, precise and complete
spatial image information
in the form of **3D models**

SHINING 3D – 20 Years in 3D Vision Technology

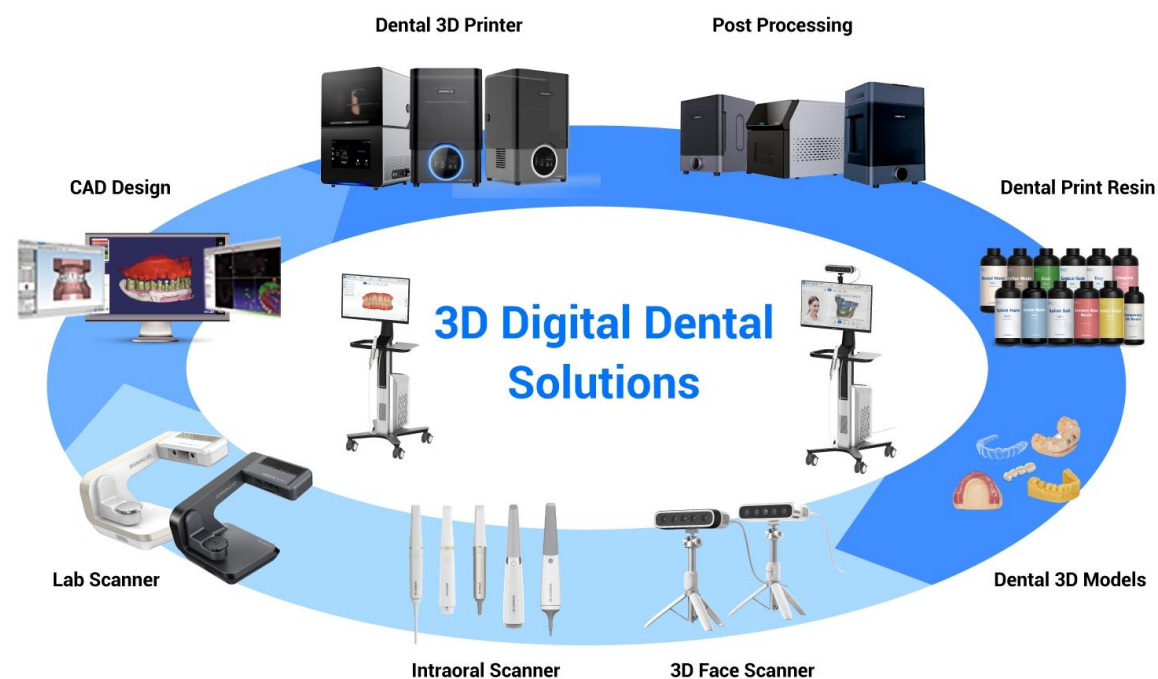


SHINING 3D

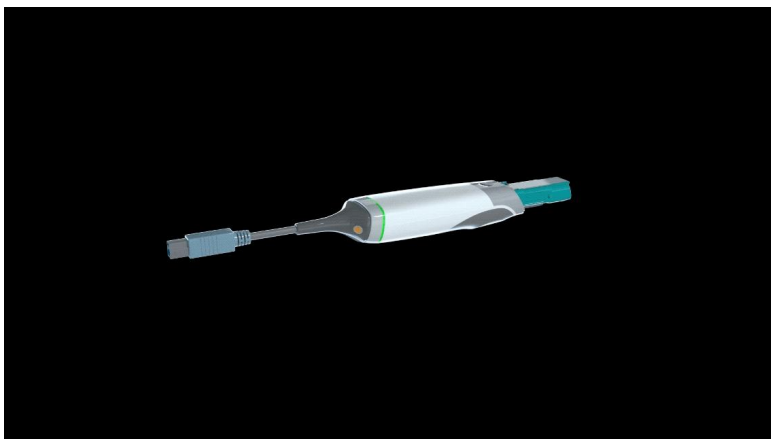
Industrial Sector



Medical Sector



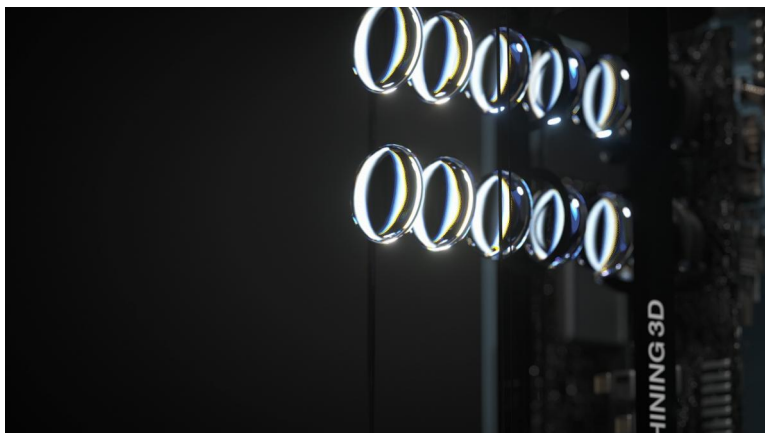
SHINING 3D - Core Technology



Integrated Opto-Mechatronics and Computing Control System



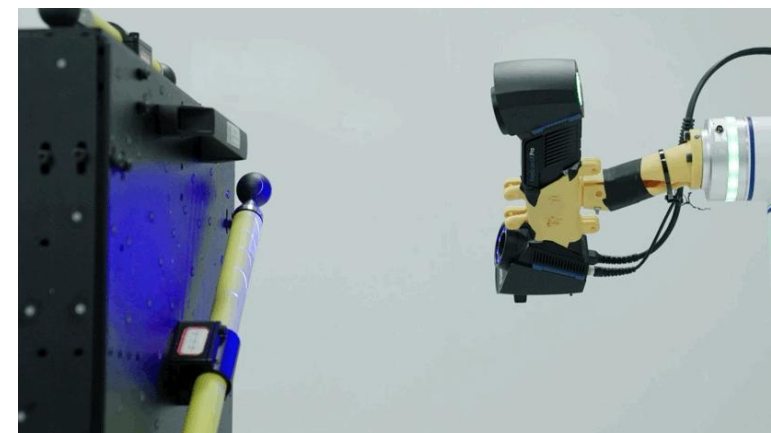
3D Geometric Modeling, Data Processing Software and Certified, Customized Inspection Module



Core Component Design Technology for Cameras, Projectors, and Wireless Computing Modules



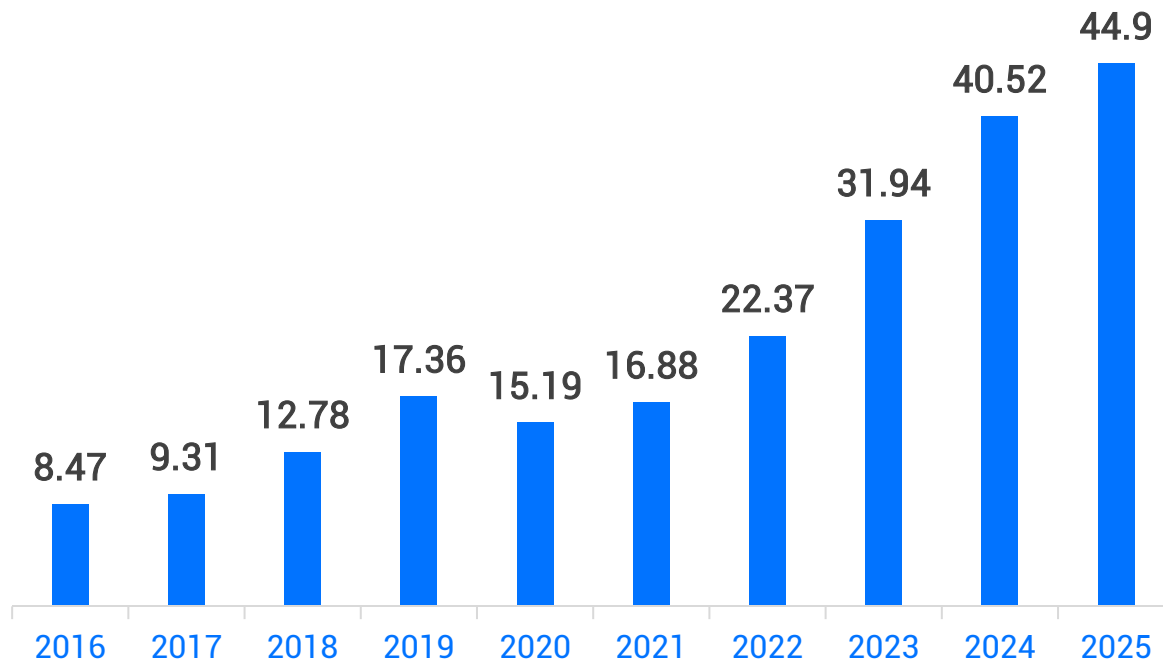
Real-Time Stereo Reconstruction Algorithm for 3D Vision



High-Accuracy Calibration Technology for 3D Optical Measurement

Continuous Intensive R&D Investment

➤ R&D Expenses (million USD)



RMB amounts are translated into USD using the annual average exchange rate.

The company has invested over **20%** in R&D for **10 consecutive years**.

➤ Invention Patents

Authorized **336**

Pending **607**

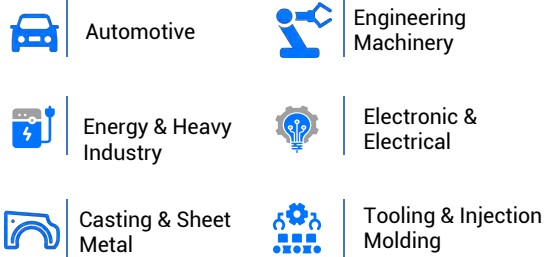


Software Copyrights **237**

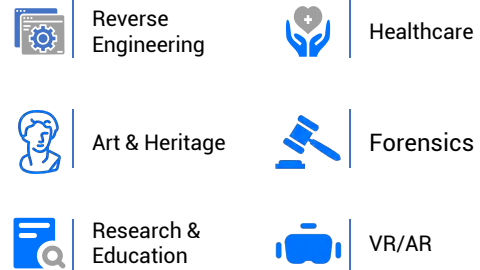
Data valid as of Dec 31, 2025

3D Digitizing

Industrial 3D Metrology

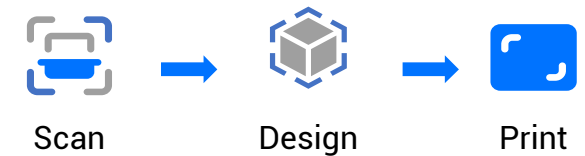


Diversified 3D Modeling



Digital Dentistry

CAD/CAM for Dental Clinics and labs



Develop a Wide Range of 3D Scanners



Metrology 3D Scanners

(Handheld laser, Standalone, High-precision system, Tracking system, automation solution)

Professional 3D Scanners

(All-in-one, hybrid light handheld, multifunctional handheld, Desktop)

Entry-Level 3D Scanners

Advantages of High-Accuracy 3D Scanning



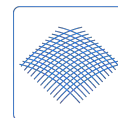
Measurement Accuracy

High-precision 3D inspection scanners achieve an accuracy of up to **0.004 mm**.
Handheld laser 3D scanners achieve an accuracy of up to **0.02 mm**.



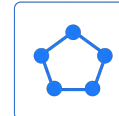
Full-Field Inspection

Enables comprehensive inspection in software, covering freeform surfaces and complex shapes.



Speed and Efficiency

Completes all dimensional measurements in a single scan, significantly improving efficiency compared to traditional methods.



Strong Adaptability

Suitable for industrial products of various shapes and sizes, including complex geometries and freeform surfaces.



Portability and Ease of Use

Unrestricted by environment; can be used directly on the shop floor.
Easy to learn and operate, with a low learning curve.



Digital Archiving

All 3D data can be digitally saved, enabling traceable dimensional quality management.



Non-Destructive Testing

Optical, non-contact 3D measurement ensures no damage to the workpiece surface.



Automation Expansion

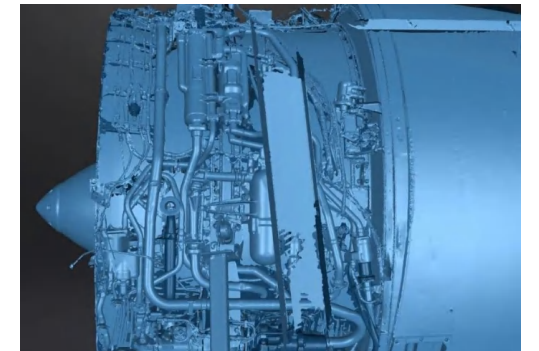
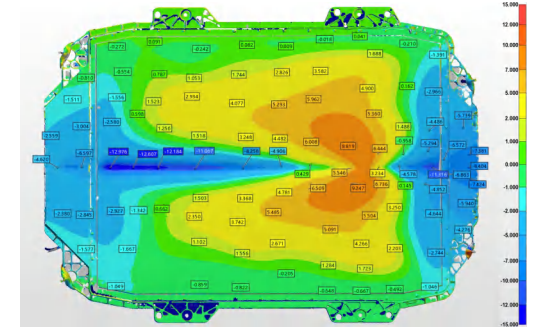
Can be integrated with collaborative robots for automated inspection, enhancing intelligent inspection capabilities.

Applications of 3D Measurement in Manufacturing

- Design of Non-Standard Components
- Digital Virtual Simulations
- Machining Position / Residual Material Analysis
- Full-Field Real-Time Analysis

Other 3D Measurement Applications

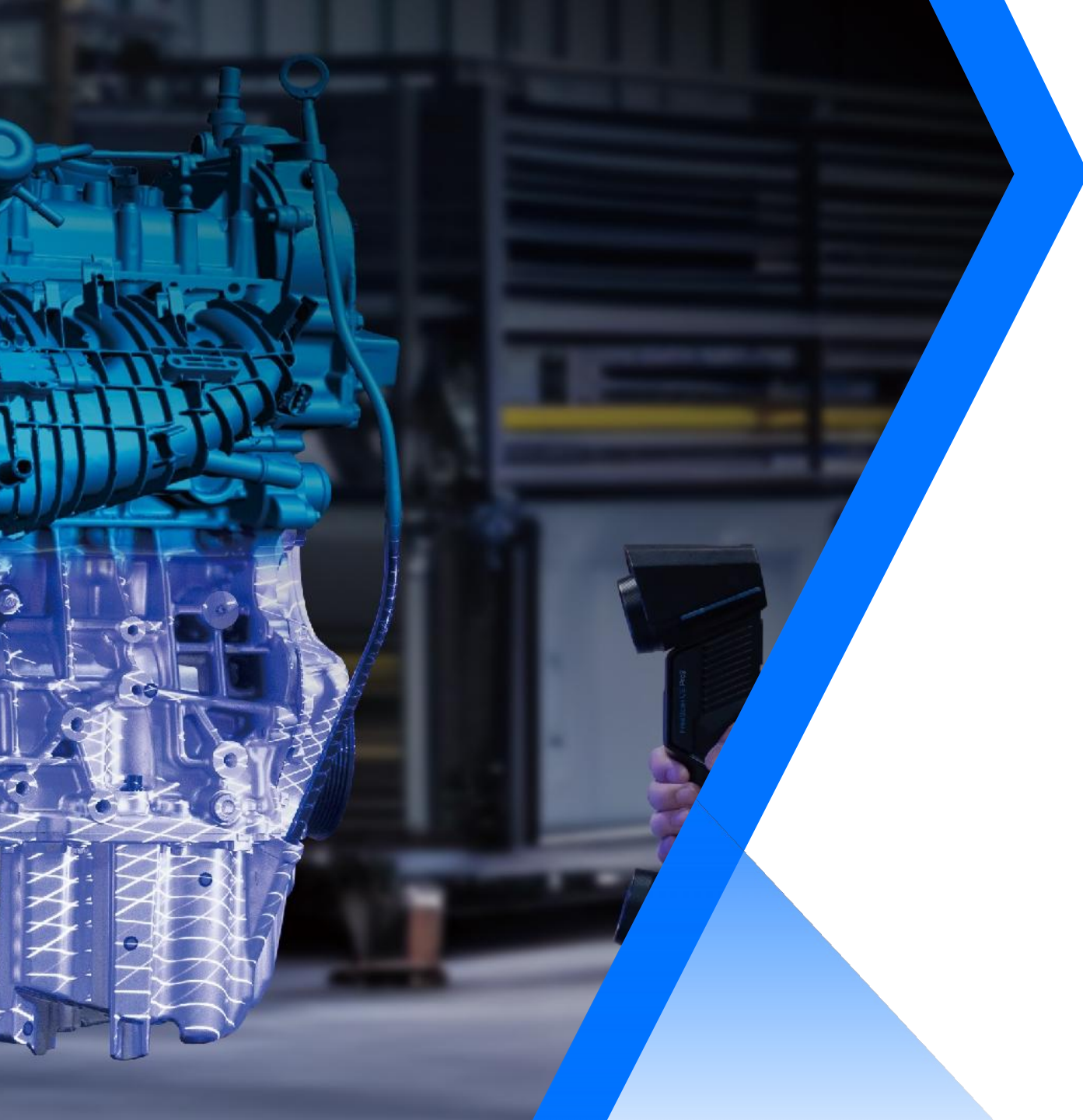
- Cultural Heritage Digitization
- Medical Digitization
- Surveying and Mapping Digitization
- Cultural and Creative Digitization



PART 2: Keyword - Accuracy

What is High Accuracy?

- High Accuracy: Both High Trueness and High Precision
- How is the Accuracy of 3D Scanners Measured?
- How is High Accuracy Ensured in 3D Scanners?



SHINING 3D Data Accuracy and Quality



SHINING 3D

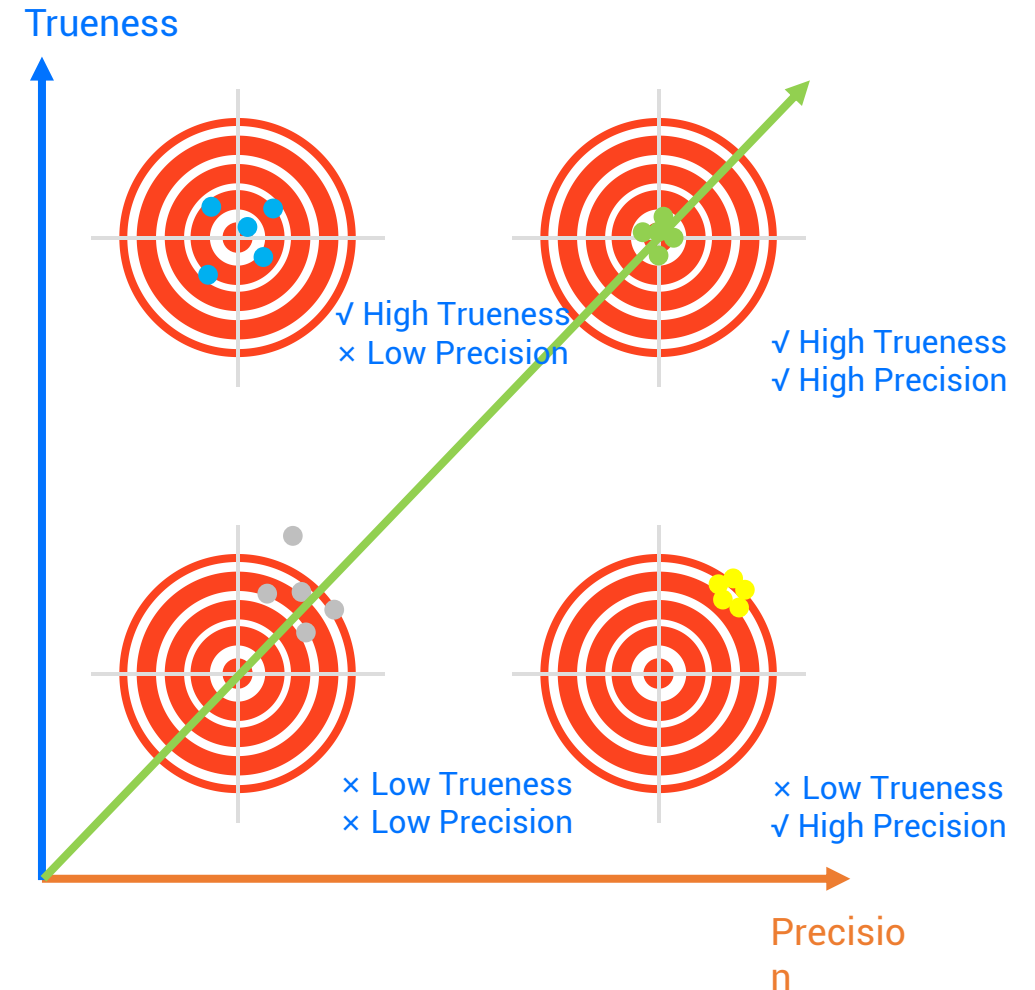


Trueness (Dimensional measurements)

- Dimensional deviation of 3D model from the real object. Higher accuracy, smaller deviation.

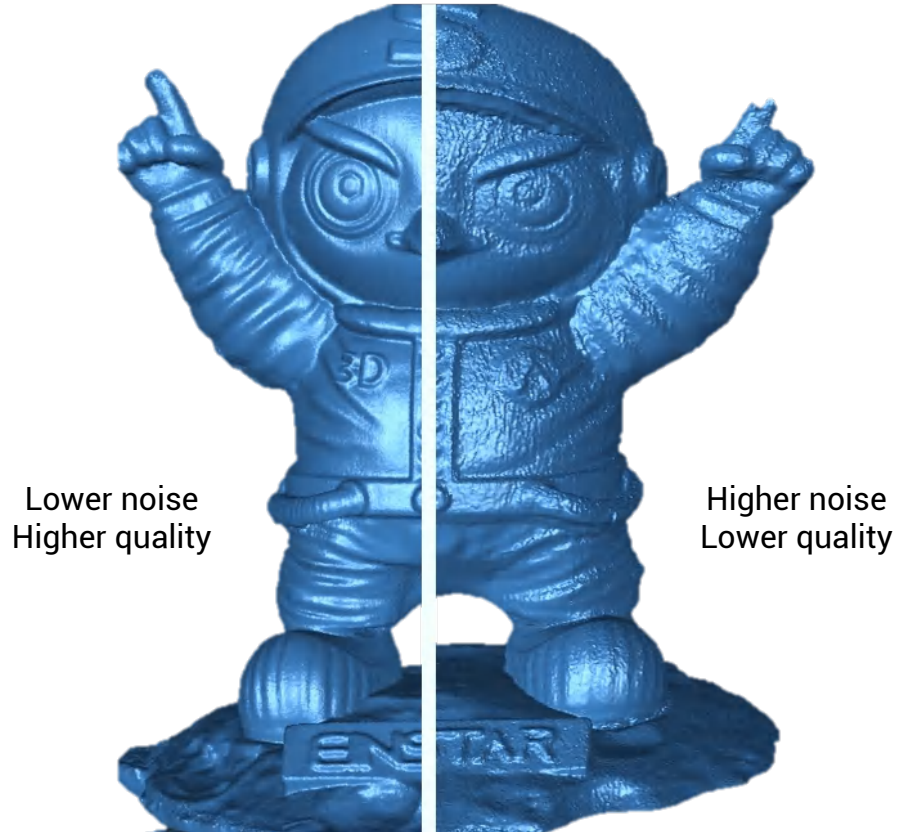
Precision (Repetitive measurements)

- The degree of agreement (conformity) between measured values of repeated measurements under the same conditions.

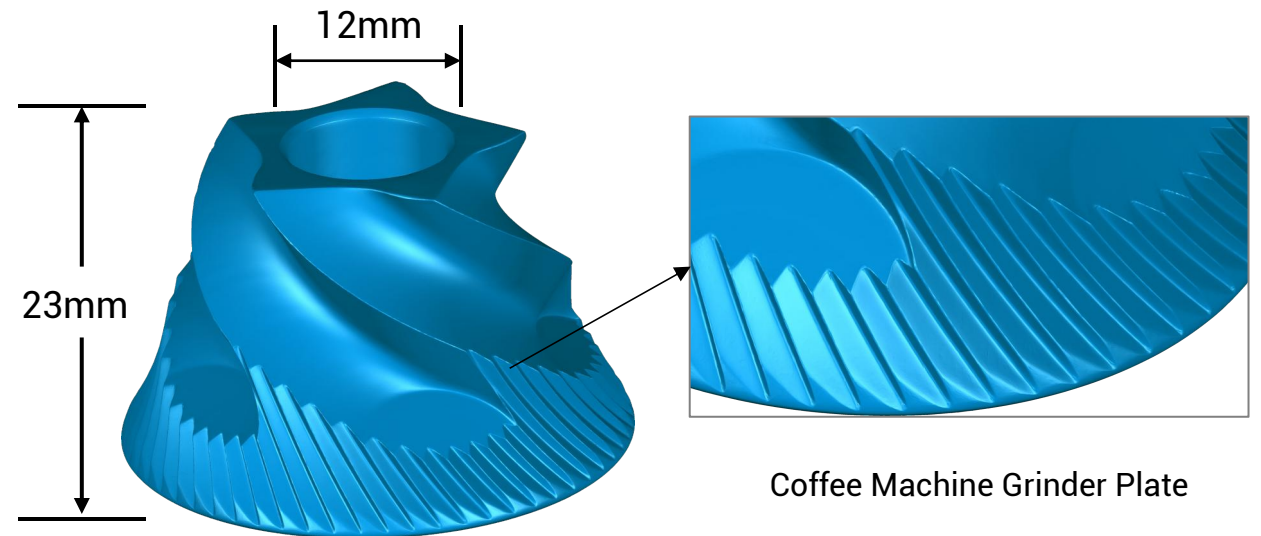


*The data comes from SHINING 3D Accuracy Laboratory, based on VDI/VDE 2634 Part 3.

➤ Low-Noise Data Surface



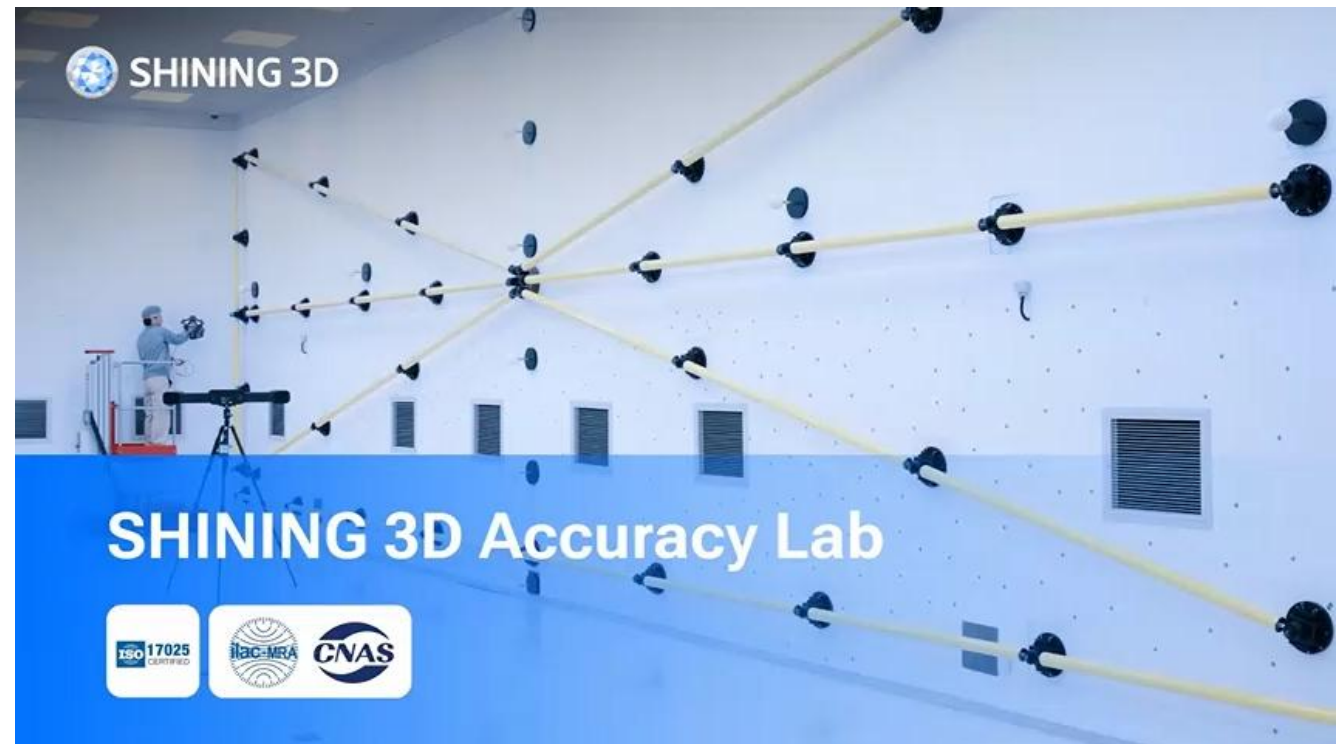
➤ High Resolution* for Fine Details



*Resolution: Refers to the degree of restoration of geometric features of the scanned object. If a higher level of detail is required in the scan, a higher resolution scanner is needed.



- **CNAS Accredited:** ISO/IEC 17025 (L18674) with newly expanded ISO 10360 scope.
- **Dual Standards:** Authorized calibration under VDI/VDE 2634 and ISO 10360.
- **Global Reach:** Mutual recognition across 100+ nations via ILAC-MRA.
- **Expanded Scope:** 3 calibration and 7 testing projects, including 7 newly added items.
- **PTB Certified:** SHINING 3D Inspect software certified for measurement accuracy by PTB.



PART 3: Keyword – SHINING 3D

Proven Excellence

- 200,000+ Devices Sold Worldwide
- Global Presence with Multiple R&D and Service Centers
- Leading the Development of the 3D Scanner Industry

About SHINING 3D



220+ Million USD

Revenue in 2025

Up 31.03% YoY

1300+

Employees

R&D team ca. 38.99%

200K+ Systems

Sold in 100+ countries worldwide



Data valid as of Dec 31, 2025

Global Presence



Hangzhou · China (Global Headquarters)



Barcelona,
Spain



Stuttgart,
Germany



Chengdu,
China



Tianjin,
China



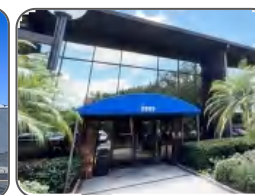
Hong Kong,
China



Tokyo,
Japan



California,
USA



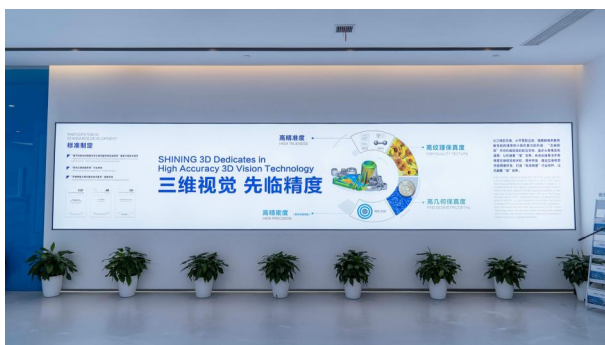
Florida,
USA

- SHINING 3D Office
- With local service team

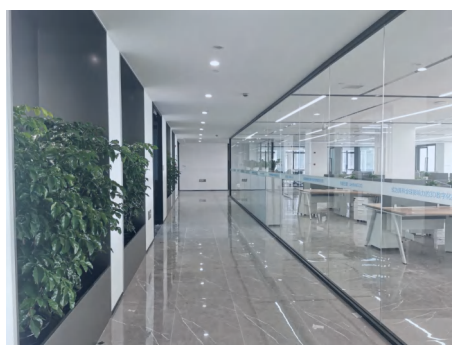
SHINING 3D HQ in Hangzhou, China



- Located in the core area of the **China Vision Valley**.
- Hangzhou HQ Campus: Construction area of **140,000 m²**.
- Global Offices: Totals approximately **150,000 m² worldwide**.
- The 4th phase of the Hangzhou HQ, including software development, is currently under construction: Plans to add an additional **40,000 m²** of building space.



Building A: Exhibition Hall and Functional Center



Building B: Marketing and Service Center



Building C: Software Development and Headquarters Base (Under Construction)



Building D: R&D Center, Accuracy Lab, Production Base

➤ Quality Management System Certification



➤ Information Security Management System Certification



➤ Occupational Health & Safety Management System Certification



➤ Product Quality & Safety Certification



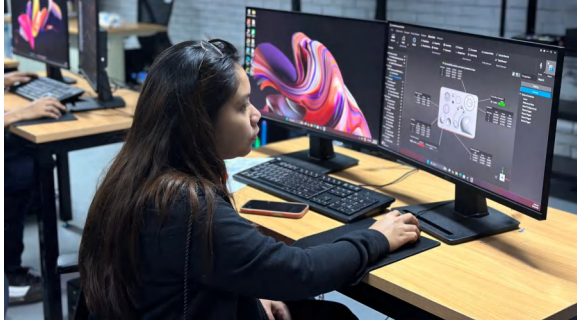
➤ Medical Devices System Certification



➤ Customs AEO Advanced Certification

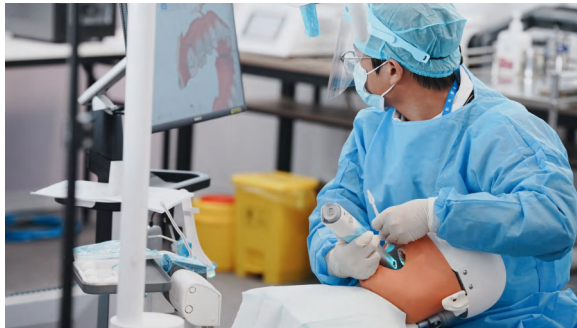


Global Industry Partner – WorldSkills International



Official Sponsor **Skills Canada National Competition:**

- Mechanical Engineering CAD
- Aerospace Technology



Official Sponsor **WorldSkills Shanghai 2026:**

- Mechanical Engineering CAD
- Additive Manufacturing
- Aircraft Maintenance
- Dental Prosthetics.



Supported Scanners:

- FreeScan Omni
- FreeScan UE Pro
- FreeScan Combo Series
- EinScan Pro HD

Official Technology Partner



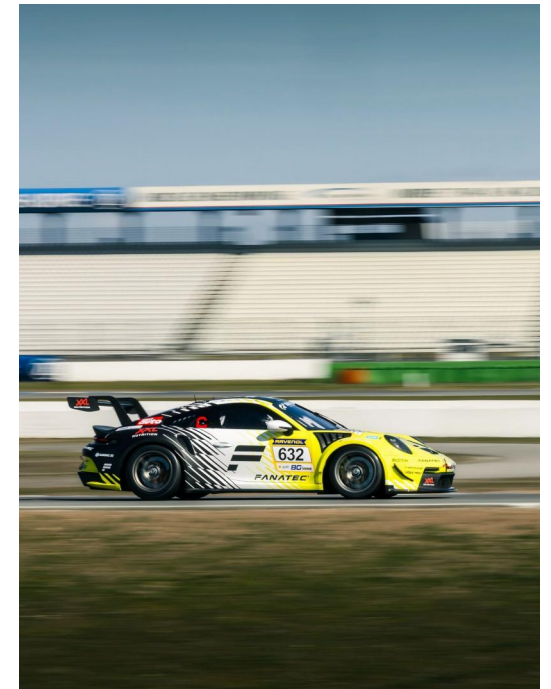
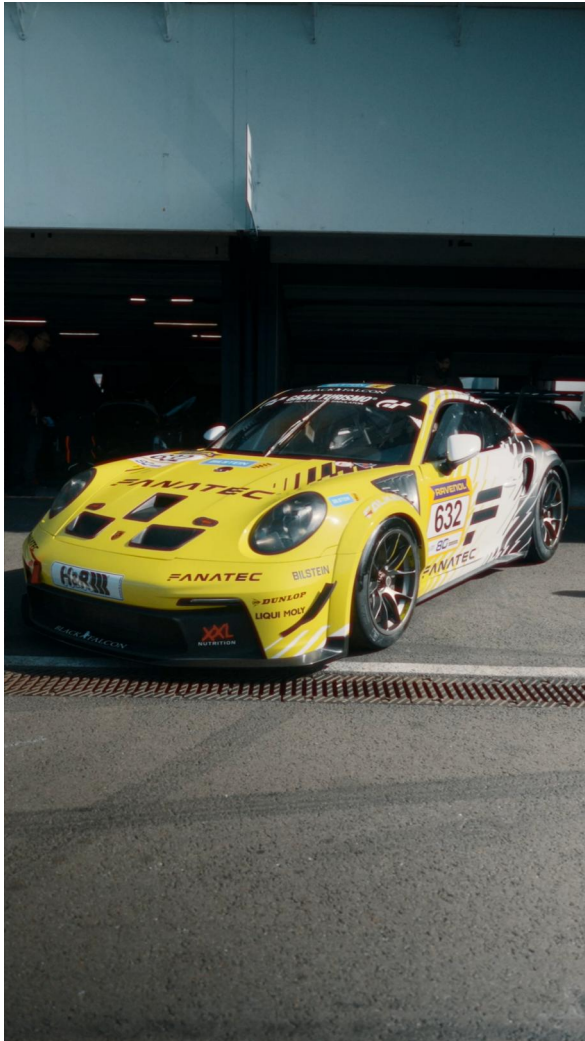
SHINING 3D



BLACK FALCON

Powering Precision at the Nürburgring

SHINING 3D joins BLACK FALCON as Official Technology Partner, bringing pioneer 3D scanning precision to the Nürburgring to optimize elite GT racing performance.



Award-Winning Design Excellence



Our commitment to blending cutting-edge technology with human-centric design has been honored twice by the world's most prestigious design competition.



red^{dot} winner 2024



red^{dot} winner 2026





KEEP SHINING!

Our Mission

Popularizing high accuracy 3D vision applications

Our Vision

To be a global influential 3D vision enterprise

Our Value

Pursuing Excellence, Being Pragmatic,
Staying Innovative, Achieving Collaborative Success



SHINING 3D

For More SHINING Ideas



LinkedIn



YouTube



Facebook



Instagram

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