

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



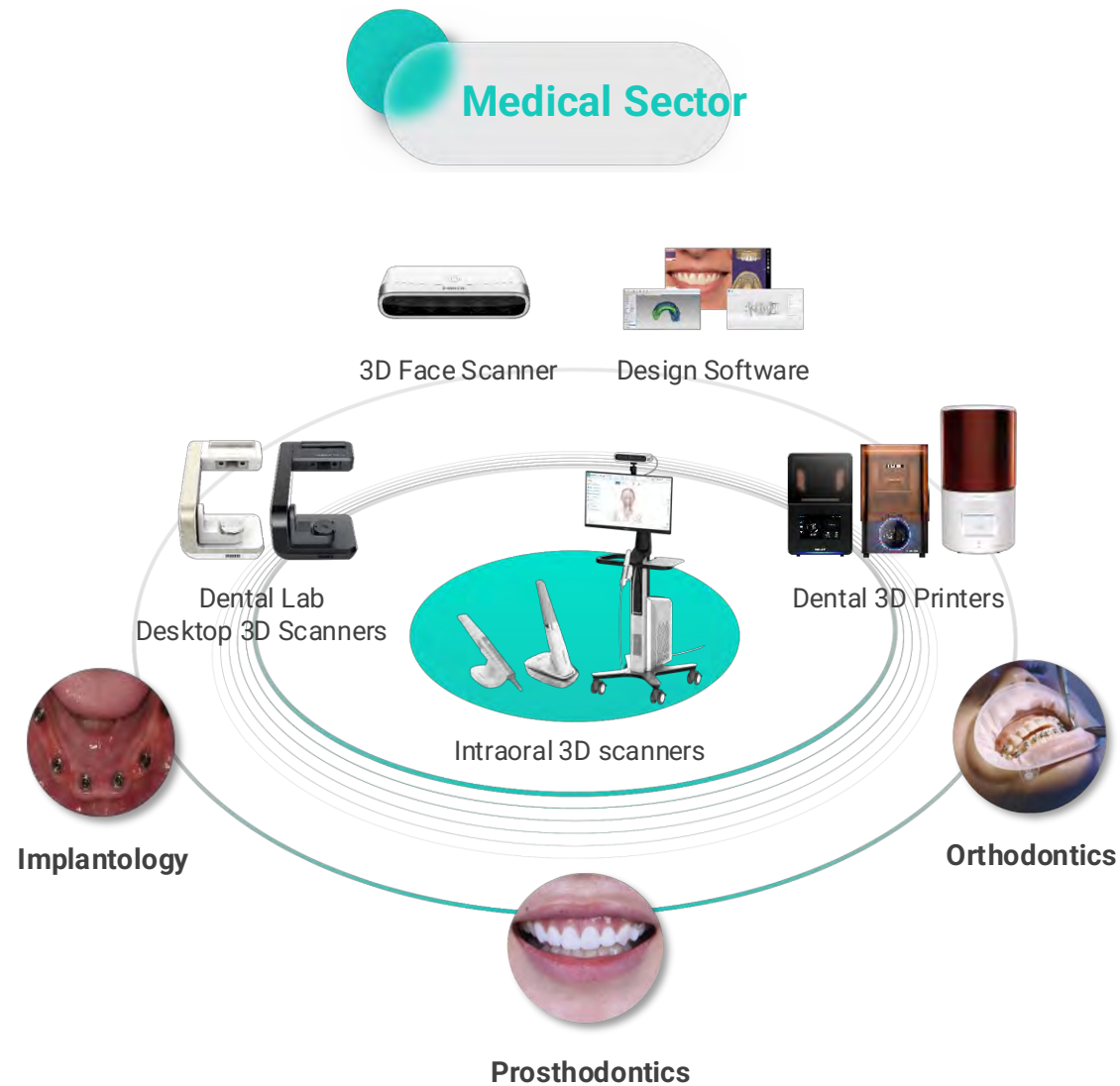
SHINING 3D – 20 Years in 3D Vision Technology



Industrial Sector



Medical Sector



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.

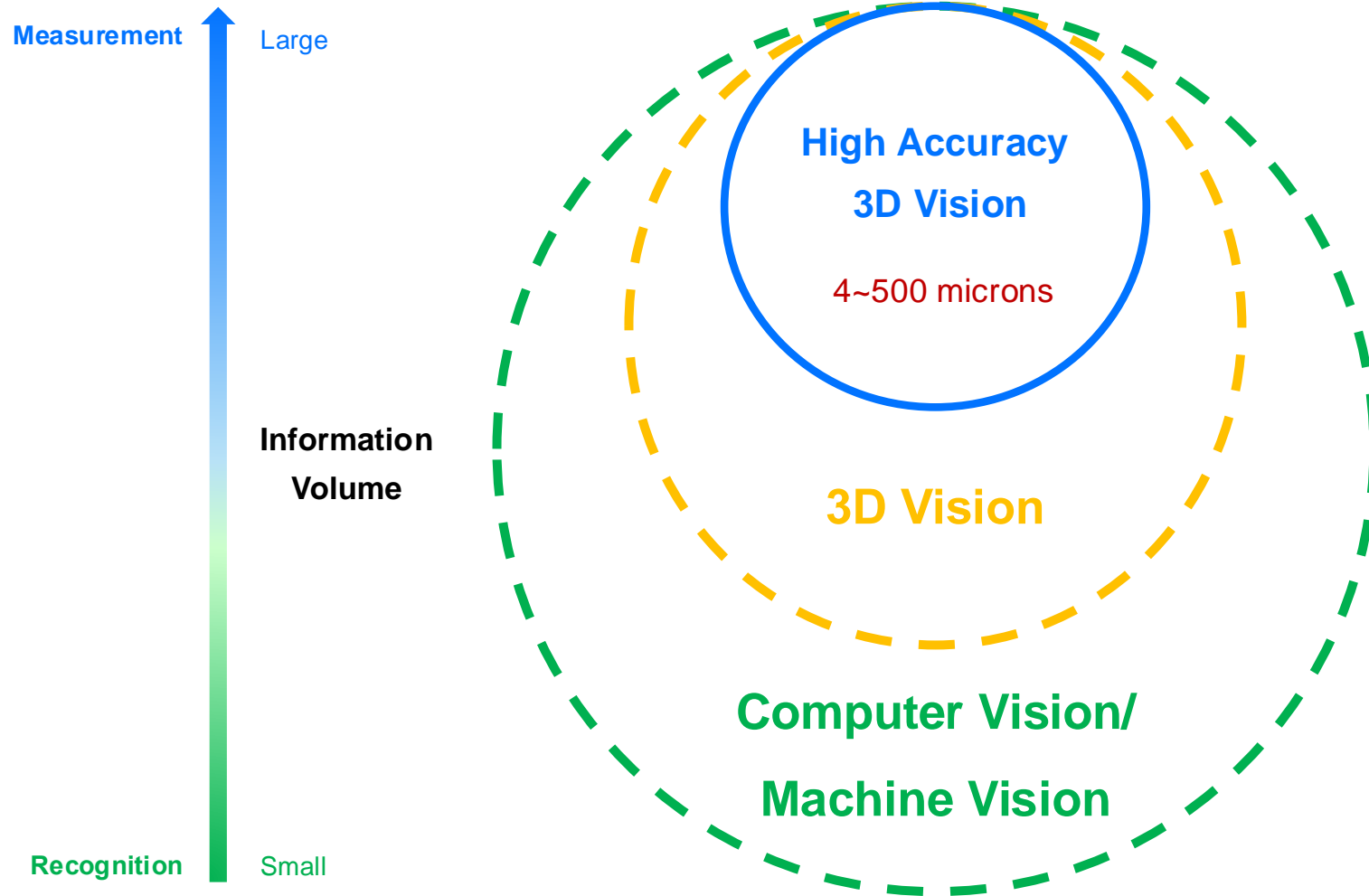


3D Digitizing

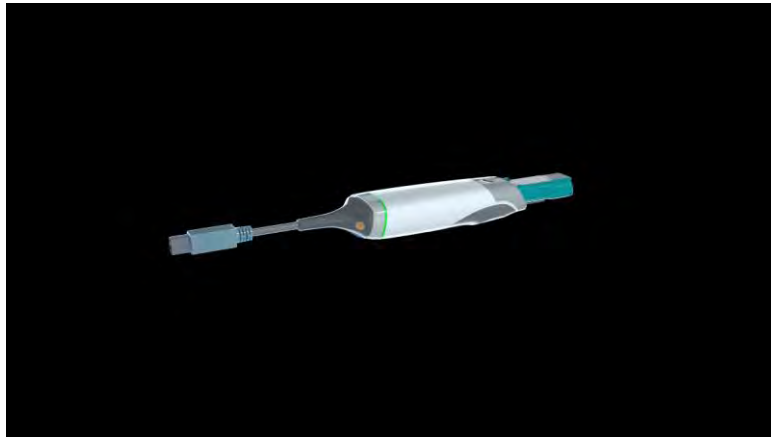


Digital Dentistry

High Accuracy 3D Vision Technology



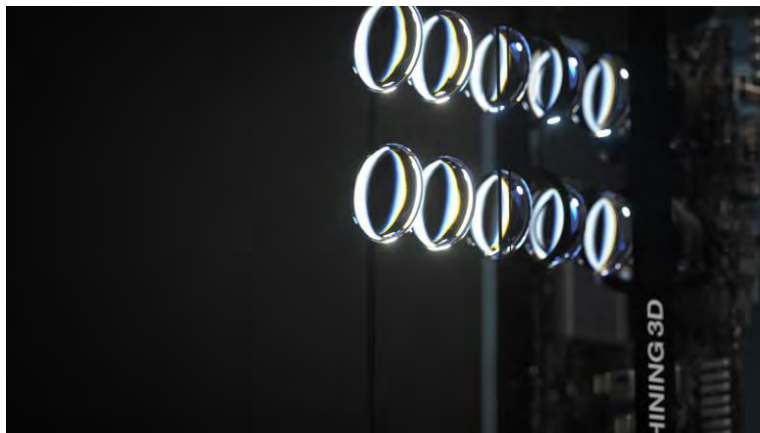
**Real, precise and complete
spatial image information
in the form of 3D models**



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

3D Digitizing







Industrial 3D Metrology



-  Automotive
-  Engineering Machinery
-  Energy & Heavy Industry
-  Electronic & Electrical
-  Casting & Sheet Metal
-  Tooling & Injection Molding

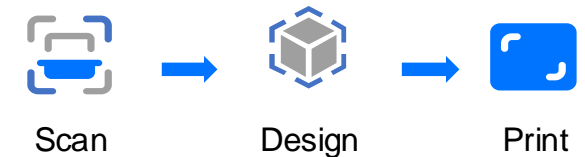
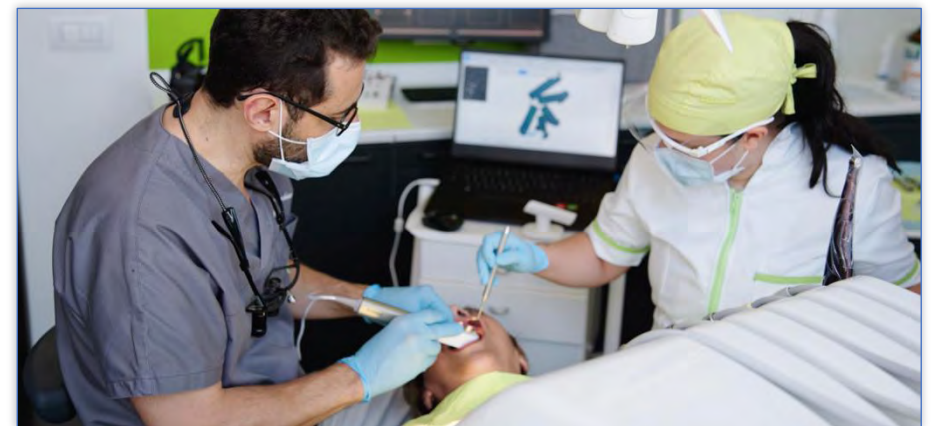
Diversified 3D Modeling



-  Reverse Engineering
-  Healthcare
-  Art & Heritage
-  Forensics
-  Research & Education
-  VR/AR

Digital Dentistry

CAD/CAM for Dental Clinics and labs



Leveraging High-Accuracy 3D Vision Technology



Develop a Wide Range of 3D Scanners



Metrology 3D Scanners

(Handheld laser, fixed structured light, tracking system, automation solution)

Professional 3D Scanners

(Hybrid light wireless handheld, hybrid light handheld, multifunctional handheld)

Entry-Level 3D Scanners

Advantages of High-Accuracy 3D Scanning



Measurement Accuracy

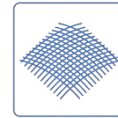
Fixed blue light 3D scanners achieve an accuracy of up to **0.005 mm**.

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.

SHINING 3D Data Accuracy and Quality



ISO 17025 accredited and received CNAS certificate, able to issue [VDI/VDE 2634](#) calibration certificates.
Dual certification for measurement accuracy from [the PTB](#), the National Metrology Institute of Germany.



The lab complies with ISO/IEC 17025 and is qualified to perform reliable testing and calibration.

The issued calibration reports achieves mutual recognition with over 100 countries and regions around the world.





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

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

➤ Quality Management System Certification



➤ Product Quality & Safety Certification



➤ Information Security Management System Certification



➤ Medical Devices System Certification



➤ Occupational Health & Safety Management System Certification



➤ Customs AEO Advanced Certification



**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

For More SHINING Ideas



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