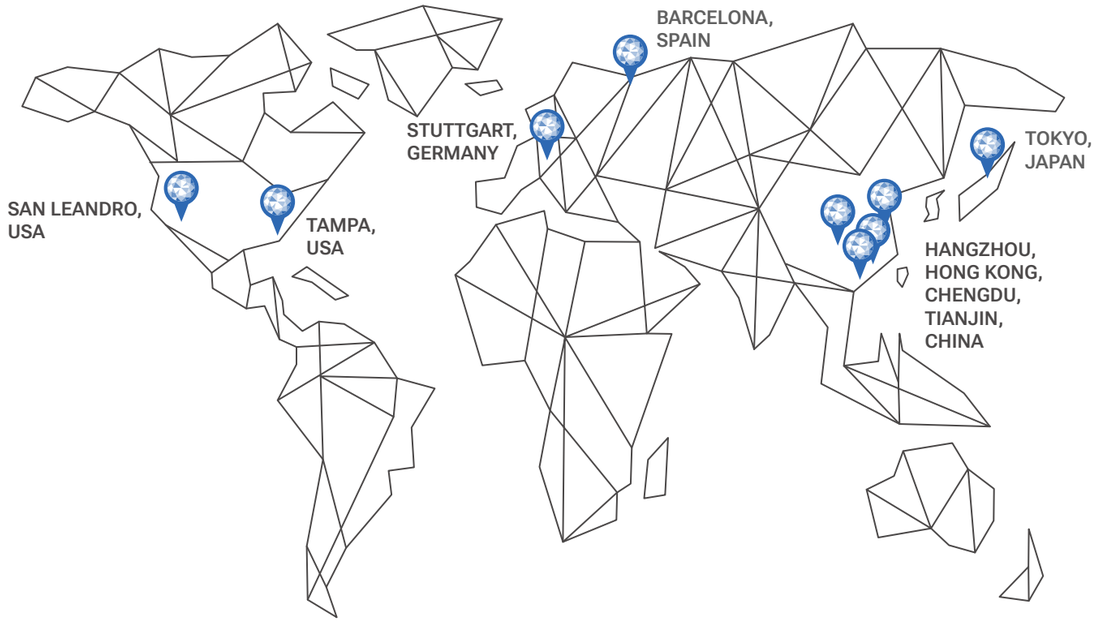

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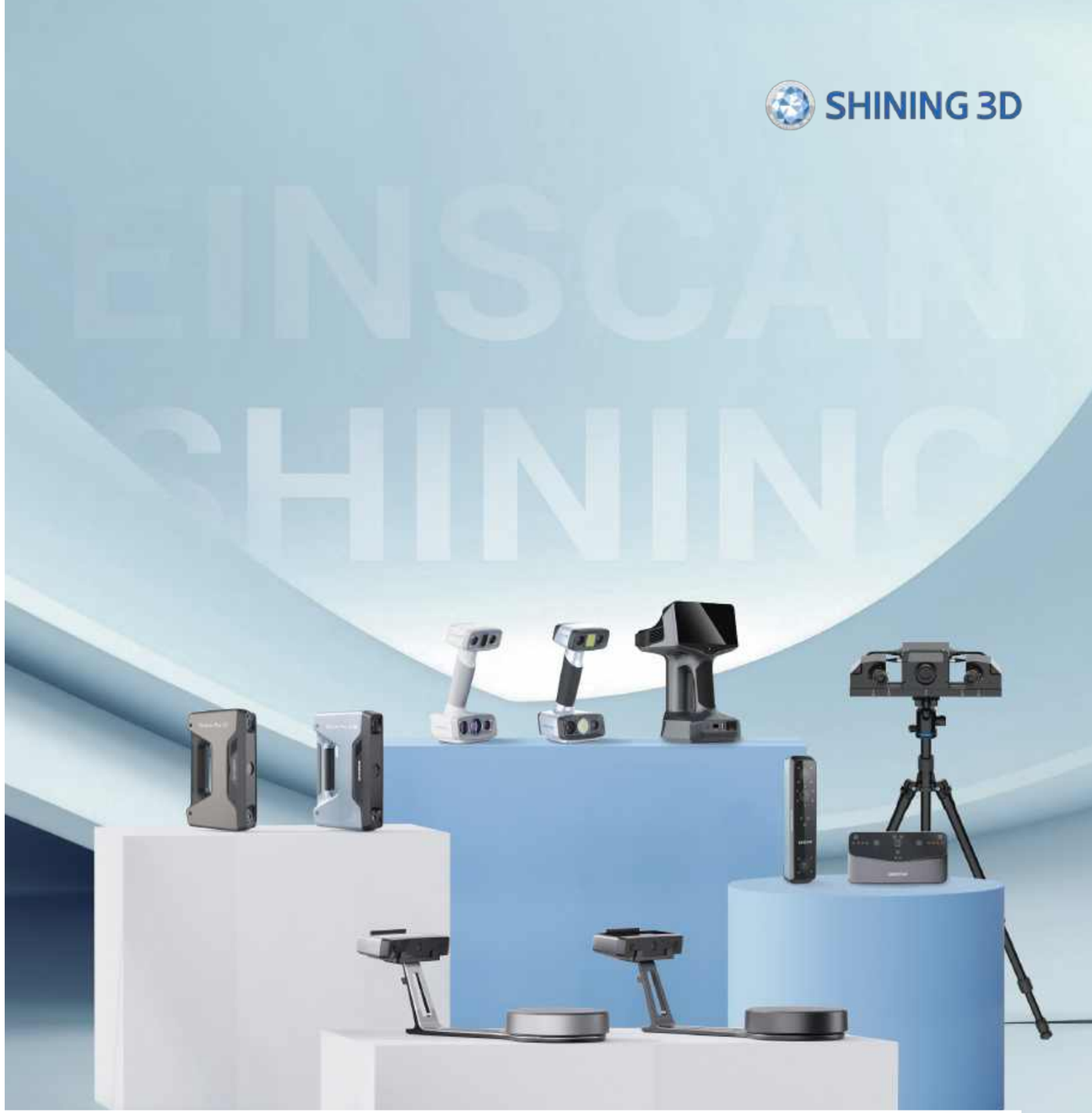
SHINING 3D

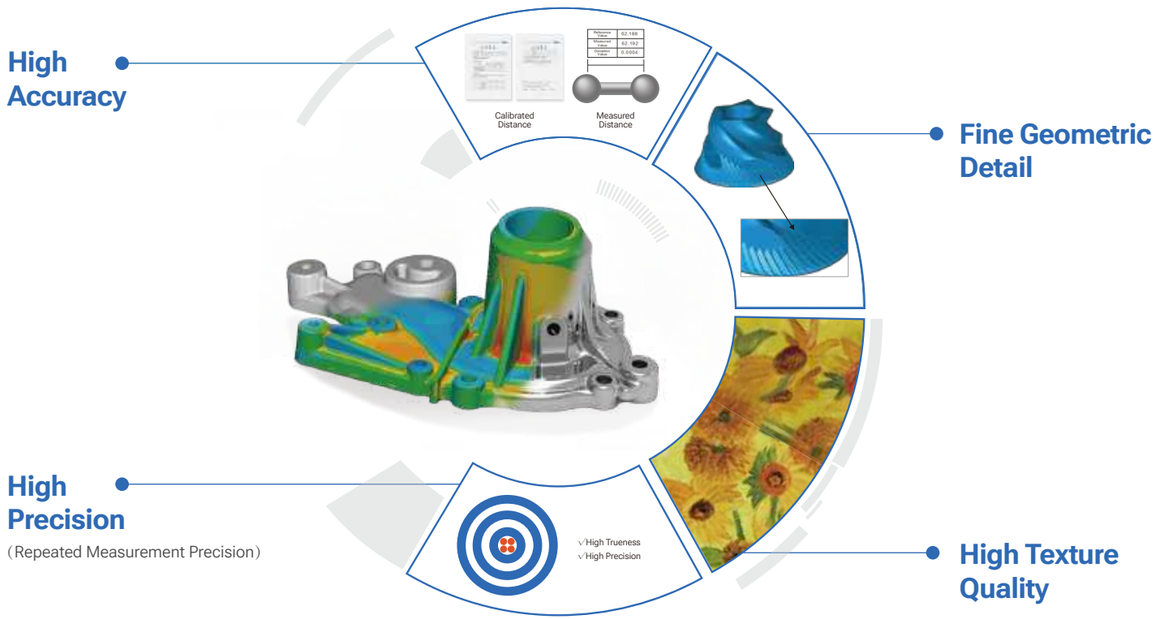


SHINING 3D
Versatile 3D Scanning Solutions

Step into the Future of 3D Scanning

CATALOGUE

High-Accuracy 3D Vision Technology



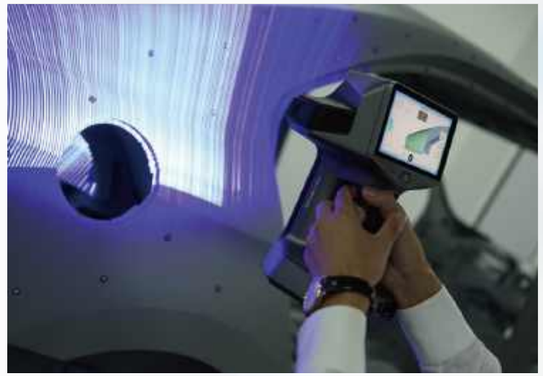
Accuracy Laboratory

The SHINING 3D Accuracy Laboratory has been accredited the ISO/IEC 17025:2017 certification by CNAS. In the Accuracy Laboratory, the calibration procedures strictly follow the VDI/VDE 2634 standards, ensuring that its technical capabilities can provide reliable quality assurance for enterprise, industry, and customer product research, testing, and manufacturing.

EinScan Libre

Wireless Freedom

Wireless Standalone Handheld 3D Scanner



Standalone Wireless Scan

The EinScan Libre revolutionizes scanning with its built-in screen, battery, and seamless data transfer, making the dream of a truly wireless scanner a reality.

Border Your Scanning Possibilities

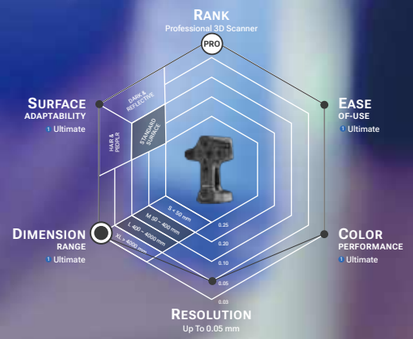
EinScan Libre features three versatile scanning modes that cover a range from 200 mm to 1500 mm.

Powered by High-Performance Processor

Equipped with a high-performance processor, the EinScan Libre provides wireless freedom without compromising on computing speed. Featuring a NVIDIA Jetson Orin NX 16GB, 8-core processor, it ensures fast data processing for even the most demanding tasks. With a1TB SSD, users have ample room to scan high-res models or hefty projects without the worry of running out of space.

True-to-Life Color Capture

Equipped with a 48MP color camera, it delivers true-to-life representations of your scanned objects, capturing every detail with exceptional clarity and vibrant color. Whether for intricate designs or vivid textures, the EinScan Libre ensures your scans reflect the full richness of the original.



Technical Specification

	EinScan Libre
Light Source	Blue Laser Lines / Infrared VCSEL
Accuracy	Up to 0.05 mm
Volumetric Accuracy	Up to 0.04 + 0.06 mm/m
Point Distance	1.0 ~ 10 mm (IR Adaptive & IR Rapid Mode) / 0.05 ~ 3 mm (Laser HD Mode)
Scan Speed	Up to 4,500,000 points/s
Align Mode	Markers / Frame Markers / Texture / Feature / Hybrid

EinScan HX Series

Material Master

Hybrid Light Source Handheld 3D Scanners

Hybrid Blue Laser & LED Light

The advanced blue laser captures complete data from black and reflective surfaces with exceptional surface and environmental adaptability, with 13 laser lines for more fast and detailed scans. The efficient LED light scanning requires no markers, enabling rapid 3D scanning without preparation.

High Efficiency

The EinScan HX2's laser scan mode reaches 1,600,000 points/s and 120 FPS, enabling rapid scans for reverse engineering, CAD/CAM, and 3D printing. It scans most objects in minutes, ensuring superior efficiency and productivity in all your 3D scanning projects.

High Accuracy & Detail

The EinScan HX2 meets the rigorous demands of industrial applications for reverse engineering and precise measurement.

· Minimum point distance of **0.05 mm**
· Accuracy up to **0.04 mm** under laser mode

Full Color

With a built-in color camera, it supports full-color texture capturing and tracking in rapid scan mode. Texture Mapper Lite further simplifies photorealistic texture mapping.

EinScan HX2
13 Crossed Blue Laser Lines
Up to 1,600,000 points/s

EinScan HX
7 Crossed Blue Laser Lines
Up to 1,200,000 points/s

Technical Specification

	EinScan HX2
Light Source	Blue Laser Lines / Blue LED
Accuracy	Up to 0.04 mm
Volumetric Accuracy	Up to 0.04 + 0.06 mm/m
Point Distance	0.25 ~ 3 mm (Rapid Scan Mode) / 0.05 ~ 3 mm (Laser Scan Mode)
Max. FOV	420 x 440 mm
Working Distance	470 mm
Align Mode	Feature / Markers / Texture / Hybrid

EinScan H2

Human Cloner

Hybrid Light Source Handheld 3D Scanner

Hybrid Light Source

· LED light offers fast 3D scanning with accurate, high-quality data.
· Infrared VCSEL is ideal for capturing dark surfaces, human body, and objects in bright-lit environments.

Optimized for Face and Body 3D Scanning

· Flashless infrared technology
· Advanced hair enhancement algorithm
· Non-rigid algorithm in IR Mode

Ultra-Wide FOV

FOV up to 780 x 900 mm, it offers flexibility in scanning volume to capture large-sized objects quickly.

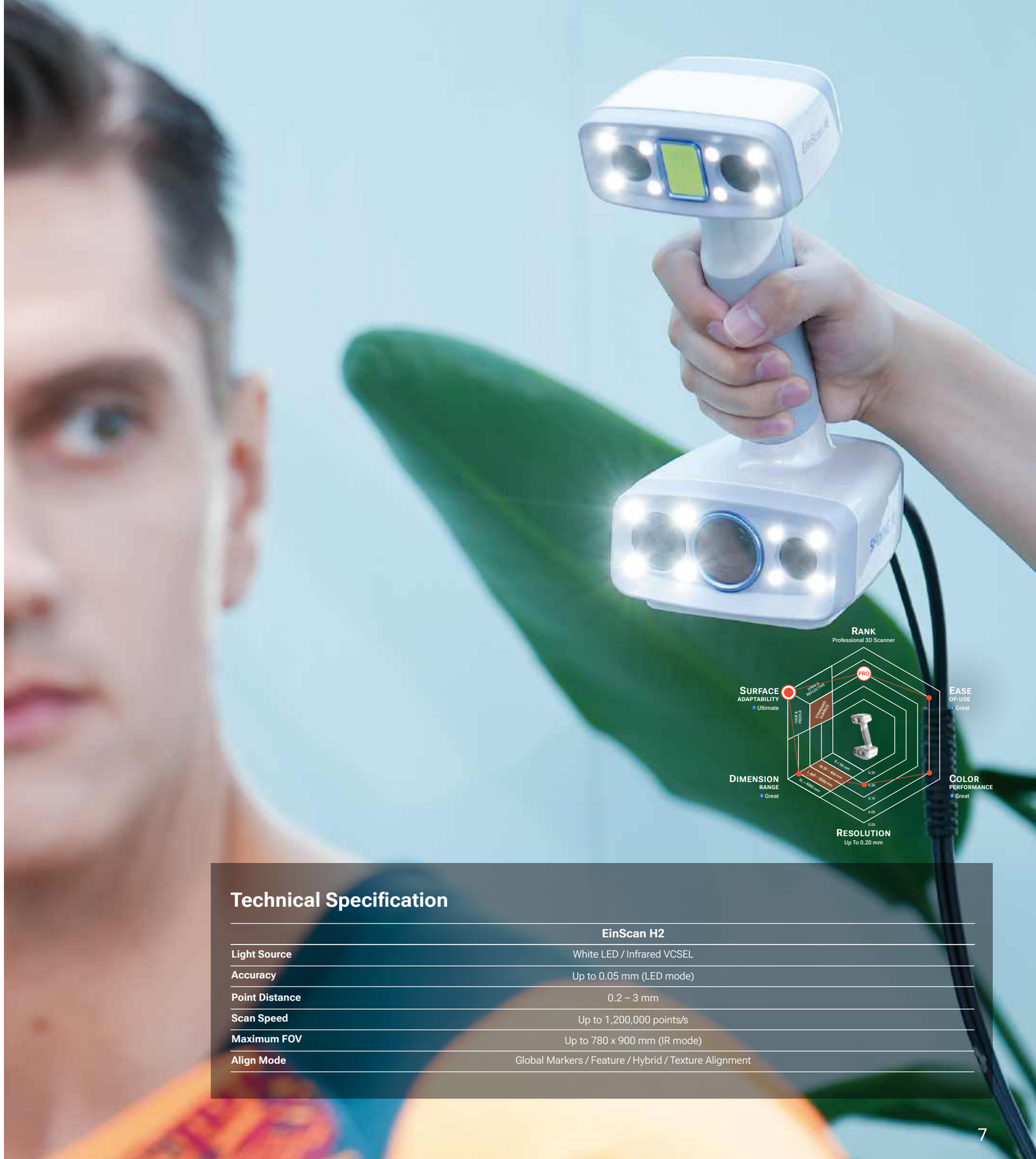
Photorealistic Texture

A 5MP color camera enables it to capture rich, bright colors and clean textures along with 3D geometry for photorealistic 3D models. It is helpful for applications in cultural heritage preservation, art, and digital archiving.

Add-on to EinScan H2

FootStation 2

FootStation 2 for EinScan H2 accelerates and simplifies foot scanning by capturing instep and sole data simultaneously using a mirror, saving time with automatic alignment. It suits application in foot orthopedics and the customized footwear industry.



Technical Specification

	EinScan H2
Light Source	White LED / Infrared VCSEL
Accuracy	Up to 0.05 mm (LED mode)
Point Distance	0.2 ~ 3 mm
Scan Speed	Up to 1,200,000 points/s
Maximum FOV	Up to 780 x 900 mm (IR mode)
Align Mode	Global Markers / Feature / Hybrid / Texture Alignment

ScanACE

EinScan Pro 2X V2

Multifunctional Handheld 3D Scanner

Impressive High Resolution

Point distance under fixed scan up to 0.16 mm.

High Accuracy

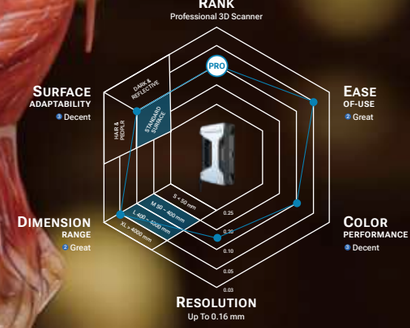
It delivers accuracy up to 0.04 mm in fixed scan mode.

Modular Design

Optional add-ons Color Pack and Industrial Pack offers various scanning experiences and applications.

Flexibility

Multiple scan modes and align modes supported.



Technical Specification

	EinScan Pro 2X V2
Light Source	White LED
Accuracy	Up to 0.04 mm
Point Distance	0.2 ~ 2 mm (Handheld HD & Handheld Rapid Scan Mode) / 0.16 mm (Fixed Scan Mode)
Scan Speed	Single Scan <0.5 s
Single Scan Range	150 x 120 mm ~ 250 x 200 mm
Align Mode	Markers / Texture / Feature / Hybrid / Turntable / Manual

EinScan Pro HD

ScanACE

Multifunctional Handheld 3D Scanner

WorldSkills Designated Competition Model

EinScan Pro HD is the designated model for the Mechanical Engineering CAD in WorldSkills Competitions.

High-Speed Scanning

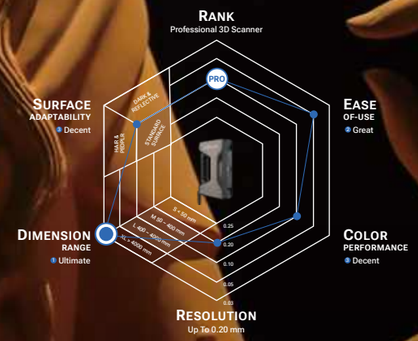
EinScan Pro HD can capture up to 3,000,000 points per second under handheld scan mode, and less than 0.5 s for every single frame in fixed scan mode.

High Accuracy

EinScan Pro HD delivers accuracy up to 0.04 mm in fixed scan mode.

Less Limitations of Scan Objects

EinScan Pro HD is capable of scanning a wider range of objects of dark or black color and casting metal surfaces.



Technical Specification

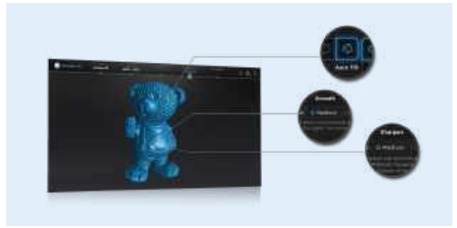
	EinScan Pro HD
Light Source	White LED
Accuracy	Up to 0.04 mm
Point Distance	0.2 ~ 3 mm (Handheld HD Scan Mode) / 0.25 ~ 3 mm (Handheld Rapid Scan Mode) / 0.24 mm (Fixed Scan Mode)
Scan Speed	Single Scan <0.5 s
Single Scan Range	209 X 160 mm ~ 310 x 240 mm
Align Mode	Markers / Texture / Feature / Hybrid / Turntable / Manual

EinScan SP V2

The Expert’s Choice for Enhanced Experience

Easy Operation, Fast Scanning Speed

· One-Click scanning without rigid workflow
· Automatic calibration without tedious preparations
· 1 second for a single scan
· 45 seconds for one turn



Stable and Reliable Results

Precise calibration in a simple way, achieving high accuracy of up to 0.05 mm. Powerful software algorithms and a point distance of up to 0.17 mm, ensuring the scanning results have high-definition details.

Extensive Scanning Range from Small to Large

Depending on the size of the object, scanning can be carried out using a turntable for automatic scanning or a tripod for manual scanning.

Color in 3D Scanning

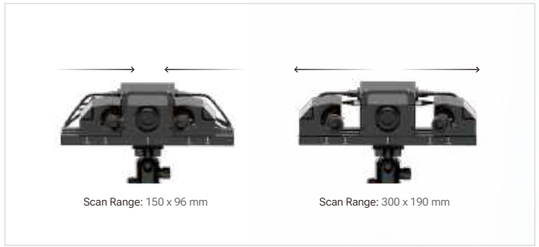
Easy reproduction of physical objects with colored textures, enhanced the utility and realism of the captured 3D models.

Technical Specification

	EinScan SP V2
Light Source	White LED
Accuracy	Up to 0.05 mm
Point Distance	0.17 ~ 0.2 mm
Scan Speed	Single shot <1 s
Max FOV	700 x 700 x 700 mm
Align Mode	Manual / Feature / Turntable / Markers / Turntable Coded Target

Transcan C

Multiple Scan Range 3D Scanner



Dual Scan Range

The slide-rail design enables an easy switch of the scanning range between 150 x 96 mm and 300 x 190 mm, meeting the needs of scanning objects of different sizes effectively.

12MP Color Cameras

Two 12MP professional color cameras are installed to capture a detailed 24-bit color map and replicate the authentic color of objects, which is ideal for capturing color 3D data for virtual display.

Intelligent Operation

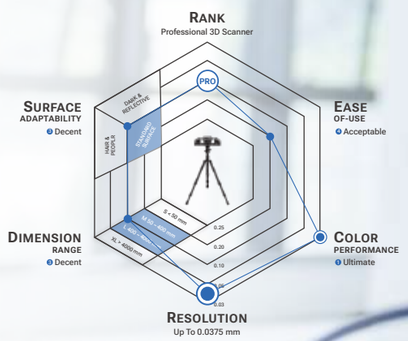
The scanning process is fully automatic with the turntable. Combined with the scanning software's stitching algorithm, this ensures the efficient acquisition of 3D data without manual intervention.

High-Accuracy Scan Data

The compact design scanner produces a high accuracy of 0.035 mm at its inner position, and 0.05 mm at its outer position. These results are valuable for many measurement applications.

Technical Specification

	Transcan C
Single Shot Accuracy	Up to 0.035 mm
Point Distance	Up to 0.0375 mm
Scan Speed	Single shot <3 s
Align Mode	Markers / Feature / Manual
Maximum FOV	150 x 96 mm / 300 x 190 mm
Working Distance	260 mm / 480 mm



Einstar Series

VEGA

Wireless All-In-One 3D Scanner

All-In-One System

· Built-in Computing
· Internal Data Archiving

Wireless Solution

· Wireless scanning without connecting to PC
· Wireless transfer, data sharing in SHINING3D Cloud
· Wireless projection, data display on a second screen

Scan Anywhere Anytime

· Outdoor Scanning under Sunshine
· Scan at Night without Limitation

Technical Specification

	Einstar Vega	
Scan Mode	HD Mode	Fast Mode
Light Source	Infrared MEMS	Infrared VCSEL
Point Distance	0.5 ~ 3 mm	0.5 ~ 10 mm
Working Distance	100 ~ 250 mm	350 ~ 1500 mm
IR Camera Resolution	2MP	1.3MP
Color Camera Resolution	48MP	

EINSTAR

Prosumer Portable 3D Scanner

High Quality Data

High Color Fidelity

Comfortable for Eyes, Easy to Scan Hair

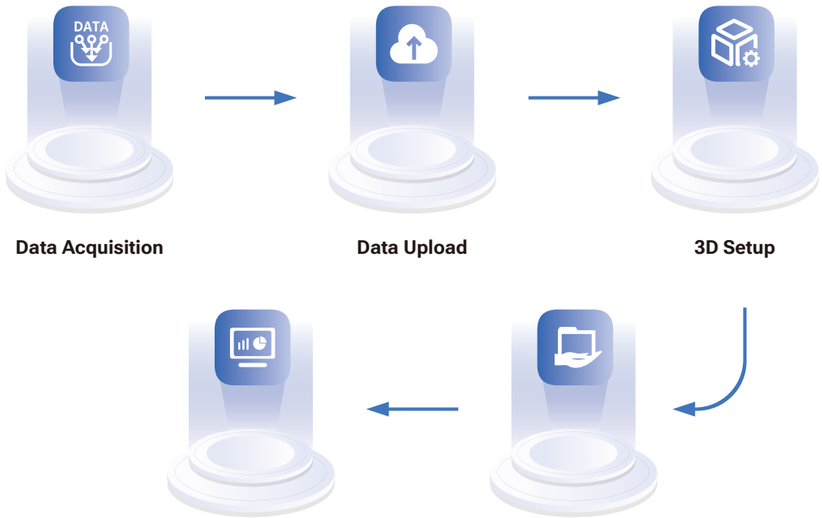
Stable Outdoor Scanning

Technical Specification

	Einstar
Light Source	Infrared VCSEL
Point Distance	0.1 ~ 3 mm
Working Distance	Effective Working Distance: 160 ~ 1400 mm; Optimal Working Distance: 400 mm
Depth of Field	160 ~ 1400 mm
Maximum FOV	434 x 379 mm (under optimal work distance)

SHINING3D Cloud

Based on years of experience in 3D vision technology, SHINING 3D has created a one-stop solution for 3D digitization industry from hardware to software to cloud platform for customers in various industries, which helps enterprises to build a 3D asset library on the cloud platform, manage data scientifically, and improve work efficiency.



One-Stop Solution

No need to switch between multiple software programs to transfer data, significantly improving working efficiency.

Real-Time Data Display

No need for downloads or transfers, you can create and display the data anytime, anywhere with one browser.

Seamless Collaboration

You can collaborate, share materials via a single link, enabling efficient cross-company and cross-department collaboration.

Data Security

Data assets on SHINING3D Cloud are managed through Alibaba Cloud (mainland China) and AWS to ensure data security.

Data Storage

Users with shining 3D passaport receive free 5G of storage space. SHINING3D Cloud supports uploading model files in various formats (stl, obj, ply, gltf, glb, fbx). It also supports high-speed batch transfer of data files.

Free

5GB

The default Free Plan for newly created spaces.

Data Sharing

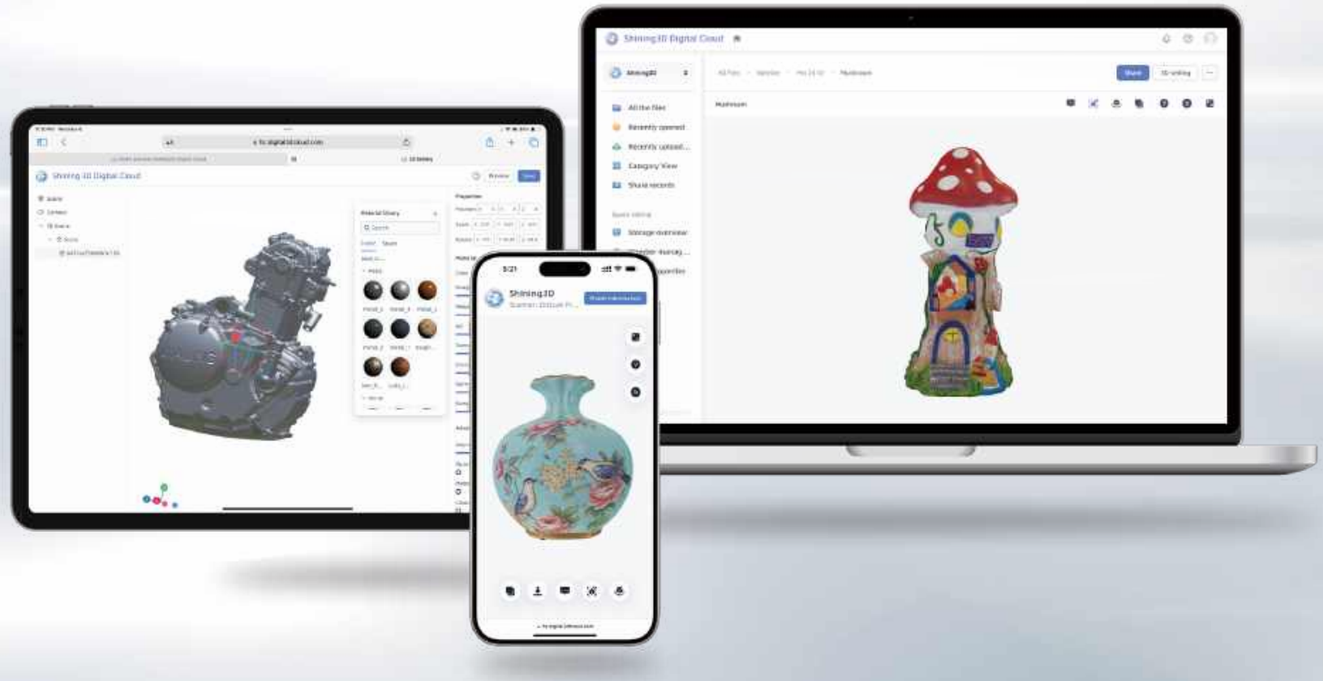
Supports sharing data via QR codes or links, with real-time synchronization across PC, mobile, and tablet devices. Data security can be ensured through time-limited sharing and data extraction codes.

Data Display

The system server converts the model into a unique lightweight file, which is presented in real time and displayed without loss.

Collaborative Management

A team can collaboratively edit a model. Administrators can also set permissions for individual accounts.



3D Software

EXModel

EXModel is a powerful bridge that simplifies CAD modeling from 3D scanning to manufacturing. It provides a comprehensive set of tools that enable you to transform mesh into a professional quality CAD solid model in easy steps.

✓ Effortless Mesh Processing
✓ Precision CAD Creation
✓ Enhanced Data Utilization

Geomagic Design X

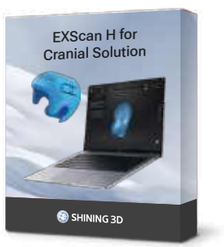
Industry leading Reverse Engineering software. Create accurate CAD models from 3D scan data, faster, and more reliably than anything else on the market.

✓ 3-10x Faster Path to CAD than Traditional Tools
✓ Heavy-Duty Capabilities for Demanding Projects
✓ Works Seamlessly with Your Existing CAD

Texture Mapper Lite

Texture Mapper Lite is a mapping software that integrates seamlessly with EinScan 3D scanners, enabling superior results in 3D scanning and texture data processing.

✓ Intelligent Processing
✓ Precise Mapping
✓ Photorealistic Texture Rendering



EXScan H for Cranial Solution

Cranial software is specially designed based on EXScan H for EinScan H/H2. it is with very intuitive workflow for baby cranial shape capturing, providing acucrate information for baby cranial severity assessment and treatment

✓ Efficient Data Acquisition with EinScan H/H2
✓ Intuitive Software Interface, Simplified Process
✓ Connection to Professional Software

Automotive

In the realm of automotive modification, parts customization, and repairs, the prevailing challenges often manifest as time-consuming procedures, intricate complexities, and the arduous task of achieving absolute vehicle compatibility. Yet, through the utilization of cutting-edge technology such as the SHINING 3D scanner, a remarkable enhancement is achieved.

Application Fields

Car Retrofitting

Car Seat and Interior Farbrication

Paint Protective Film and Wrap Customization

Aftermarket Installation

Automotive Crash and Dent Assessment

3D Scanning a Wind Tunnel Model of Racing Car

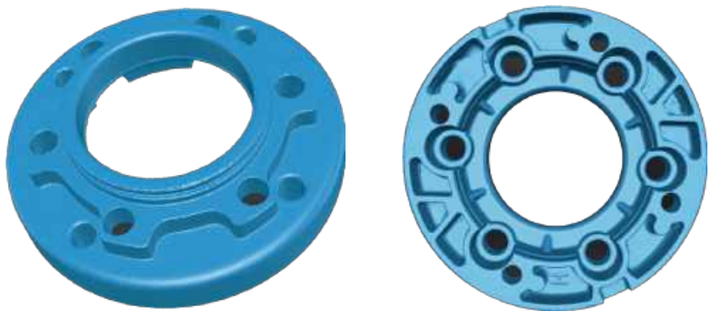
Manufacturing

The manufacturing industry relies on precision and efficiency in creating high-quality products. SHINING 3D's EinScan series scanners offer fast, accurate 3D scanning solutions, enabling manufacturers to streamline product design, reverse engineering, and quality control processes, enhancing overall productivity and reducing costs.

Application Fields

- Reverse Engineering
- Rapid Prototyping
- Product Development and Design
- Tooling and Mold Making

3D Scanning a Flange



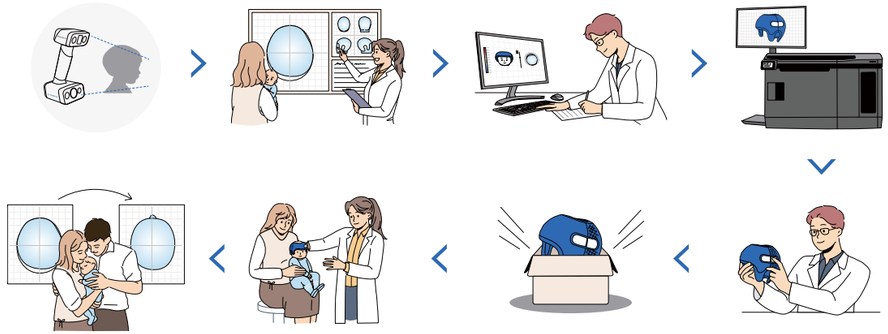
Healthcare

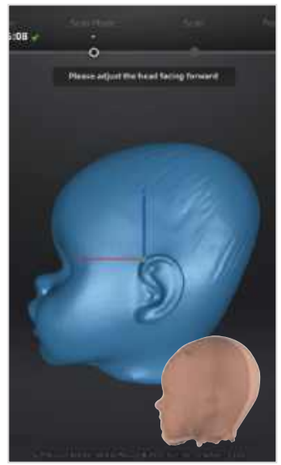
SHINING 3D's EinScan series offers advanced 3D scanning solutions that enable accurate digital modeling for prosthetics, orthotics, and surgical planning, enhancing patient care through customized, precise, and efficient treatments.

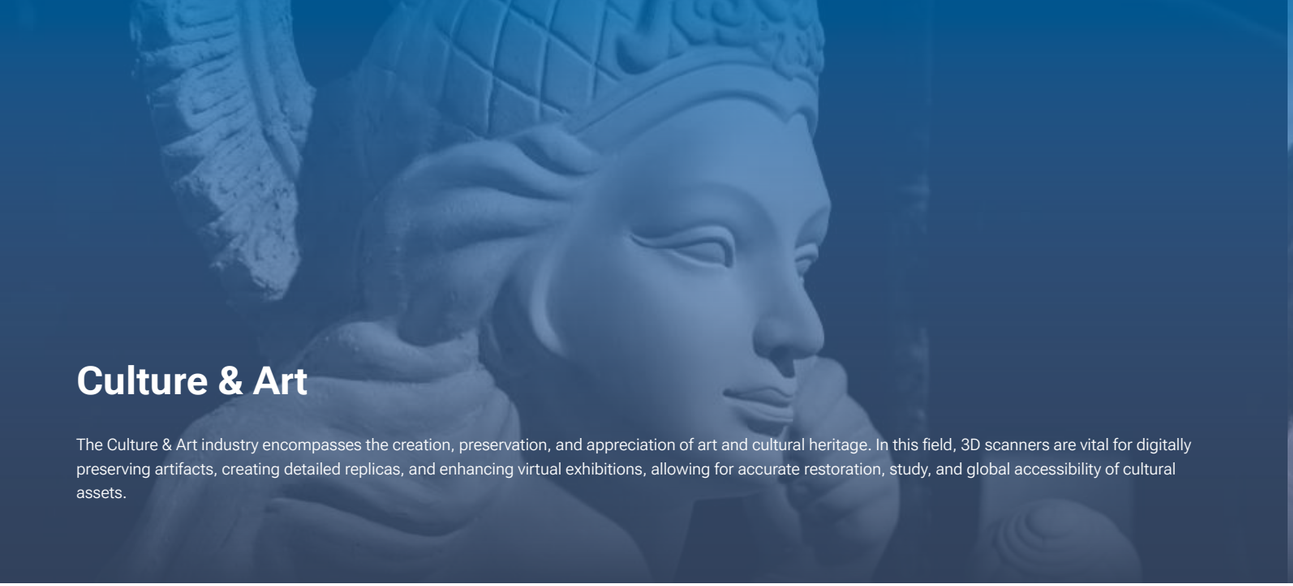
Application Fields

- Prosthetics and Orthotics
- Surgical Planning
- Rehabilitation and Physical Therapy
- Cosmetic and Reconstructive Surgery
- Orthopedic Care
- Wound Care and Burn Treatment

Solution for Infant CRO







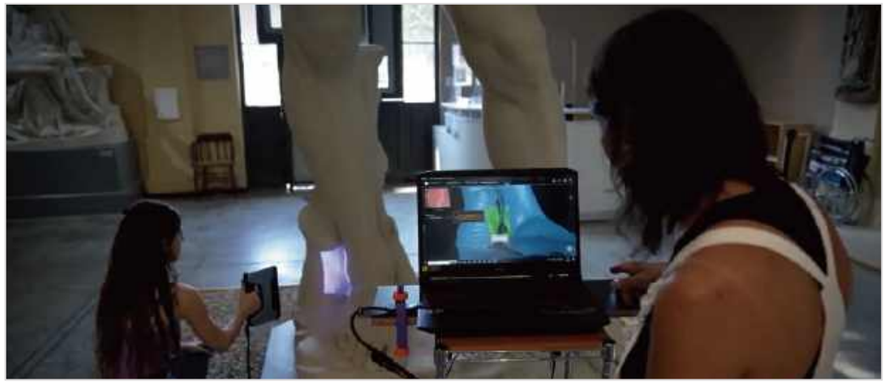
Culture & Art

The Culture & Art industry encompasses the creation, preservation, and appreciation of art and cultural heritage. In this field, 3D scanners are vital for digitally preserving artifacts, creating detailed replicas, and enhancing virtual exhibitions, allowing for accurate restoration, study, and global accessibility of cultural assets.

Application Fields

- Preservation of Cultural Heritage
- Restoration of Artworks
- Virtual Display
- Cultural and Art Creative Products Creation
- Film and Game Creation

Produce a Replica of Michelangelo's David



3D Scanning Etruscan Sarcophagi

Research & Education

The Research & Education industry focuses on advancing knowledge and learning across various disciplines. 3D scanners in this field are used for creating accurate digital models, enabling detailed analysis, preservation of artifacts, and enhancing interactive learning experiences by providing students with immersive, hands-on exploration of complex structures.

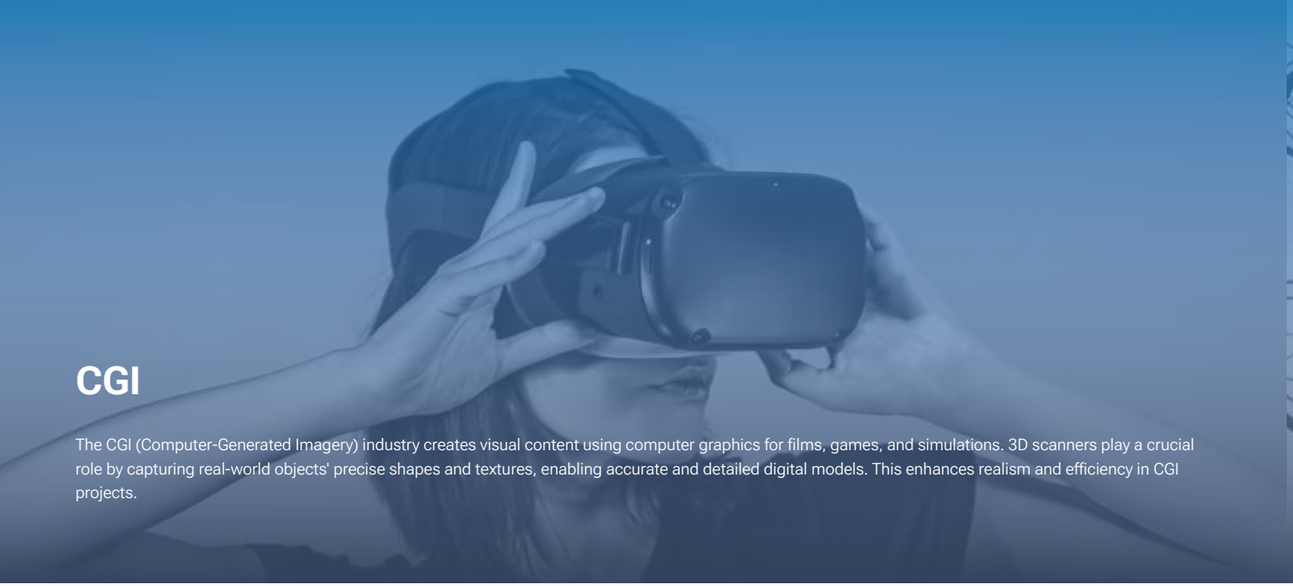
Application Fields

- Digital Archiving and Data Collection
- Teaching and Learning Tools
- Anatomical and Biological Studies
- Engineering and Designing Studies
- Geological and Environmental Studies
- Archaeology

Solutions for WorldSkills Competition

Solutions for K12 Education

Solutions for Academic Research



CGI

The CGI (Computer-Generated Imagery) industry creates visual content using computer graphics for films, games, and simulations. 3D scanners play a crucial role by capturing real-world objects' precise shapes and textures, enabling accurate and detailed digital models. This enhances realism and efficiency in CGI projects.

Application Fields

- VR and AR
- Character Modeling
- Object Scanning and Props
- Environment and Set Creation
- Film and Gaming Design and Animation
- Special Effect

3D Scanning for Virtual Display

Creating Digital Twins

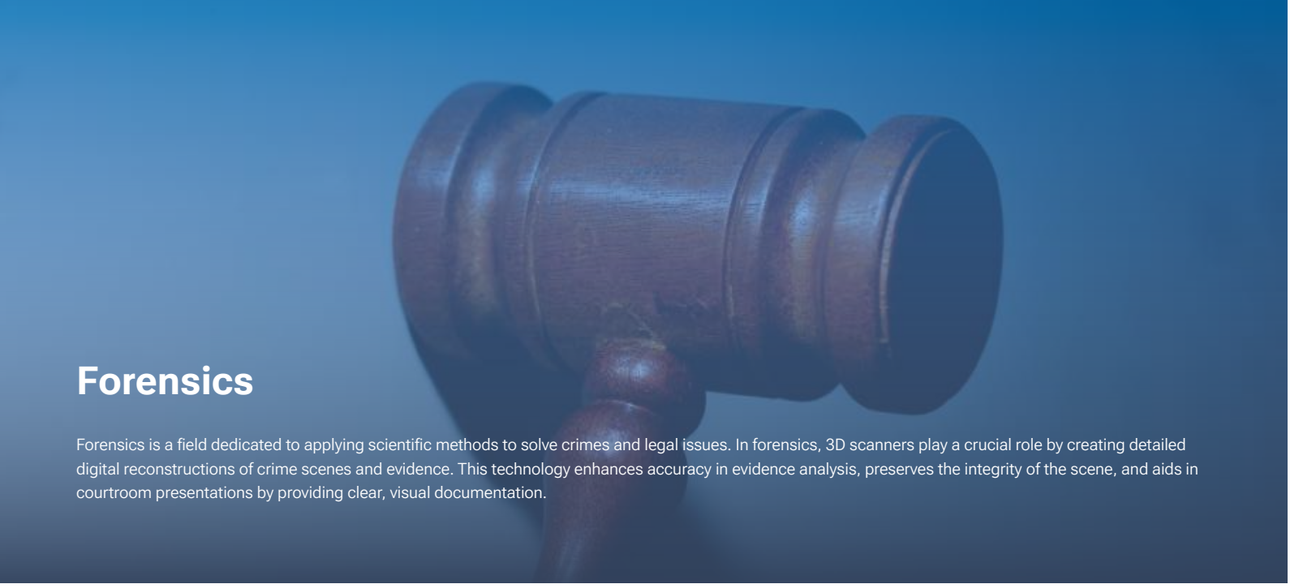
Consumer Good

The Consumer Goods industry focuses on products sold directly to consumers, such as food, clothing, and electronics. 3D scanners in this sector enable precise product modeling, enhancing design accuracy and customization. They streamline quality control and create detailed digital prototypes for marketing and production.

Application Fields

- Product Design and Development
- Customization and Personalization
- Quality Control and Inspection
- Packaging Design
- E-commerce and Virtual Display

Panoramic Camera Case Customization



Forensics

Forensics is a field dedicated to applying scientific methods to solve crimes and legal issues. In forensics, 3D scanners play a crucial role by creating detailed digital reconstructions of crime scenes and evidence. This technology enhances accuracy in evidence analysis, preserves the integrity of the scene, and aids in courtroom presentations by providing clear, visual documentation.

Application Fields

- Crime Scene Documentation and Investigation
- Accident Reconstruction
- Body Wound Analysis
- Digital Archiving of Evidence

Open Injury Assessment

About SHINING 3D

Founded in 2004, SHINING 3D is committed to democratize the 3D scanning technology and provide the 3D digitizing solution based on the understanding of customer and market's demand, creating powerful products in ease of use and accessible.

Intellectual Property	Team Size	Scanners Sold
470+	1,100+	100,000+
SHINING 3D has independently researched and developed a number of core technologies in the 3D field, with **150** granted patents and **329** patents under application.	SHINING 3D has **1100+** employees, **40%** of which are R&D staff.	SHINING 3D scanners are served to **55000+** users over **10000+** companies in more than **170** countries.

** Date Till June 30, 2024*

Rigorous Product Quality Control System

ISO9001 · ISO14001 · ISO45001 · ISO13485 · MDSAP · CE · FC · RoHS · UKCA · KC

Valuing Data Security & Personal Information Protection

DNV · DNV · DNV · DNV · TISAX