

Technical Parameters

Output Data Format	STL, OBJ, ASC, PLY
Voltage	DC 24 V ± 10 %
Current	4 A ± 10 %
Camera Resolution	1.3 million pixels
Scanning Time	Approx. 35 seconds
Scanning Accuracy	≤ 20 µm
Scanning Range	50x50x50 mm
Dimensions	305x240x250 mm
Weight	5 kg
CPU	Intel Core i5 8th Gen or higher
System	Windows 10 / Windows 11
Graphics Card	NVIDIA GTX 750 or higher (dedicated graphics)
Memory	8 GB or higher
Connection	USB 3.0 port for scanner

Configuration Requirements

Ensure that the scanner software is allowed through your firewall to maintain stable data transmission.



3D Ear Impression Scanner



S2

Sales Europe



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3D Ear Impression Scanner

A new generation of 3D scanning equipment tailored for the hearing industry



FitShape S2 3D Ear Impression Scanner

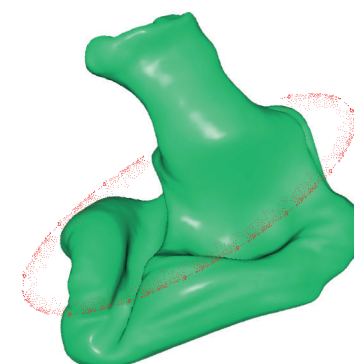
High-precision, fully automatic desktop 3D scanner designed for accurate ear impression capture and modeling.

Using structured light technology

Uses advanced structured light technology for rapid surface scanning and modeling. Delivers overall accuracy of $\leq 20 \mu\text{m}$.

Fully automatic calibration and scanning process

Combines precision scanning with efficient workflow management. Enhances production efficiency and ensures consistent quality results.



Efficient fitting, improved customer experience

The S2 system combines advanced 3D imaging with effective order management, providing users with a simple and intuitive workflow that improves productivity and precision.

With state-of-the-art scanning and high-speed imaging technology, more impressions can be processed per unit of time, increasing production capacity and fitting efficiency.

FAST

Scanning time **around 35s**

Accurate restoration to ensure wearing comfort

The FitShape S2 3D Ear Impression Scanner is a new-generation high-precision desktop scanner specifically developed for the hearing aid industry. Utilizing structured light technology, it enables fast and accurate scanning of ear impressions with an overall accuracy of $\leq 20 \mu\text{m}$. Its automated calibration and scanning process ensures reliability, consistency, and ease of operation.

ACCURACY

High accuracy **$\leq 20 \mu\text{m}$**

Always maintain accuracy

Scan a large number of orders and always maintain accuracy

A scanning accuracy of $\leq 20 \mu\text{m}$ guarantees precise reproduction of even the smallest ear canal contours, ensuring a comfortable fit and clear sound for custom hearing aids. Stable scanning performance enables consistent results, improving the one-time fitting success rate and overall customer satisfaction.

STABILITY

Always accuracy **$\leq 20 \mu\text{m}$**

