



YOUR PROFESSION
OUR TECHNOLOGY

FOAMSCAN.3D

TECHNICAL SPECIFICATIONS



FOAMSCAN.3D

is a professional 3D scanner developed to digitize foam impressions in a fast, simple and accurate way. By scanning the shape and depth of the impression, the system generates a precise 3D digital file that can be used for CAD design and production.

This solution simplifies the entire acquisition process: the operator places the foam impression, starts the scan, and obtains a digital model in just a few seconds.

The generated file can be exported in widely used formats such as STL and PLY, ensuring compatibility with standard CAD and manufacturing workflows.

FOAMSCAN.3D is fully integrable with EASYCAD2 and fits seamlessly into the Sensor Medica ecosystem, creating a connected digital workflow from acquisition to design and production.

Thanks to its fast, practical and intuitive operation, FOAMSCAN.3D is particularly useful for companies and laboratories that need to transform physical foam impressions into digital models with consistent quality.

It reduces manual operations, improves workflow efficiency and supports a more modern, repeatable and traceable production process.

Features

- 3D scanning system for foam impressions
- Compact and lightweight structure
- Fast digital acquisition of foam impression geometry
- Scanning time: approximately 10 seconds per single impression
- Depth accuracy: $<1\%$ from 0.1 m to 1.5 m
- Depth image resolution: $640 \times 480 @ 30 \text{ fps}$
- Depth image field of view: $77^\circ \pm 3^\circ \times 54.7^\circ \pm 3^\circ$
- Depth image format: Raw16
- RGB image resolution: $640 \times 400 @ 30 \text{ fps}$
- RGB image field of view: $77^\circ \pm 3^\circ \times 54.7^\circ \pm 3^\circ$
- RGB image coding format: MJPEG
- Output file formats: STL, PLY
- Connectivity: Wi-Fi / Ethernet
- Standalone software application
- Integrable with EASYCAD2
- Designed to support CAD design and digital production workflows
- Suitable for laboratories, technical departments and professional production environments

Technical specification

- Dimensions: $340 \times 232 \times H400 \text{ mm}$
- Weight: 1.5 kg
- Power supply: 220V 50Hz single-phase with 5V / 50W transformer



Company wht Management System
Quality Certificate N° 50 100 16690

