

HEALTH CARE PARTNER 3D SCANNER





Oftentimes, technological advances intended for industrial use find a helpful and welcome fit in **health care**. It is the case with Creaform's **Health Care Partner 3D Scanner**, which offers high accuracy, portability and intuitiveness to people in need of a 3D scanning device for human body measurements.

Thanks to advanced features and **ultra fast scanning times**, Creaform's HCP 3D scanning technology allows the production of customized and perfectly-fitted devices and makes for reduced turnaround times. Plus, it offers a great alternative to traditional, tiresome and messy methods like plaster casting.

OEM PARTNERSHIPS

We strongly believe that our 3D scanning technology can help our partners expand their portfolio of products and services so to grow their market and reach more people.

By entering an OEM agreement with Creaform, partners benefit from market-ready technology, without having to invest in a costly and time-consuming R&D development process. As a world leader in portable 3D measurement technologies, we will work hand-in-hand with you to create a customized solution that will meet your exact business needs.

OUR HEALTH CARE PARTNER 3D SCANNER OFFERS TWO ALTERNATIVES:

- **Seamlessly integrate it into your own software solution through our API;**
- **Take advantage of its flexibility and use it as a starting point to develop and/or fine tune your own 3D scanning solution.**

Plus, you will have the possibility to customize the appearance of your scanner so to match your brand identity and fit into your portfolio perfectly.



APPLICATIONS

- **Orthotics/Prosthetics**
Artificial limbs or body part replacements, 3D digital impressions.
- **Cranial Scanning**
Measurement of infants' head for digital manufacturing of therapeutic helmets and follow-up.
- **Plastic/aesthetic surgery**
3D scanning of ear, hand, foot or nose to visualize pre-/post-surgery appearance or to simulate effects of surgical procedure.
- **Podiatrics**
3D scanning of the foot/ankle/knee for the manufacturing of customized podiatric orthosis or apparel.
- **Mastectomy**
Pre/postoperative 3D scanning of bust for postoperative breast reconstruction.
- **Mobility Assistance**
3D scanning of the patient's body to manufacture custom-shaped seats.
- **3D Archiving**
Electronic files that can be safely stored in medical record databases and transferred through email.
- **Other applications**
The Health Care Partner 3D Scanner can be used to scan virtually any body external part, and for many other healthcare applications.

BENEFITS

- **Fast**
Scanning sessions are extremely short. Consultation times are drastically shortened, which leads to more patients being treated.
- **Quick, automated post-treatment**
What you see is what you get: 3D surface is generated as you scan, which makes for minimal waiting time.
- **User-friendly**
Very short learning curve, no matter the user's experience level.
- **Smart**
Data files can be sent rapidly and securely over the internet to a remote fabrication center to optimize machining process.
- **Clean**
Great alternative to traditional, tiresome and messier casting methods.
- **Non contact**
Non contact, non invasive 3D scan process for minimal discomfort for the patient.
- **Truly portable and lightweight**
 - Fits in a suitcase smaller than a carry-on.
 - Weights about 2 lbs.
- **Highly accurate measurements**
Accuracy of scanned data is up to 0.5 mm, whatever the technician's level of expertise, or the surrounding environment (vs manual measuring).
- **Creaform worldwide reputation**
OEM healthcare partners can capitalize on Creaform's reputation for innovative, highly accurate, high quality and reliable 3D scanners.



PUT
YOUR
LOGO
HERE



VXelements SOFTWARE

VXelements, a fully-integrated 3D data acquisition software that powers the 3D scanner developed by Creaform. It gathers all the essential elements and tools into a uniform, user-friendly and intuitive working environment.

VXscan Software Module

VXscan is entirely dedicated to the acquisition and optimization of 3D scanning data. It delivers high performance for that specific task, yet it is simple and user-friendly enough to suit any user's experience level.

API integration

You can seamlessly integrate the power of VXelements into your health care solution through our API.

CREAFORM AFTER-SALES SERVICE

When it comes to after sales services, OEM partners have needs that greatly differ from those of regular, single clients. Creaform understands that, and this is why we offer an after sales program tailored to the specific need of each of our OEM partner. From loaner units to warranty extensions, you'll get from us the after sales support that you need to make a successful business.

Creaform provides OEM partners with readily available, multilingual technical support on all continents, provided by knowledgeable, proactive and committed product specialists.

Should you or your clients encounter hardware issues or should you need help resolve a usability issue, our technical support agents will provide quick and efficient assistance to get you, or your client, back on track as soon as possible.

TECHNICAL SPECIFICATIONS	HEALTH CARE PARTNER 3D SCANNER
WEIGHT	850 g (1.9 lbs.)
DIMENSIONS	96 x 140 x 258 mm (3.8 X 5.5 X 10.2 in.)
LIGHT SOURCE	LED
MEASUREMENT RATE	550,000 measures/s
RESOLUTION	1 mm (0.04 in.)
ACCURACY	Up to 0.500 mm (0.02 in.)
VOLUMETRIC ACCURACY	0.500 mm/m (0.006 in./ft)
STAND-OFF DISTANCE	400 mm (15.75 in.)
DEPTH-OF-FIELD	250 mm (+ 10 in.)
SCANNING AREA	380 mm x 380 mm (15 X 15 in.)
SOFTWARE	VXelements
OUTPUT FORMAT	.dae, .fbx, .ma, .obj, .ply, .stl, .txt, .wrl, .x3d, .x3dz, .zpr
CONNECTION STANDARD	1 x USB 2.0

INCLUDED

- Carrying case
- Calibration plate
- Power supply
- Custom USB cable
- 2 x 500 positioning targets
- 1-year warranty on parts and labour



CREAFORM

Head Office

5825, rue Saint-Georges
Lévis (Québec) G6V 4L2 Canada
T. 1 418 833.4446 | F. 1 418 833.9588

info@creaform3d.com | www.creaform3d.com

