



The FotoScan 3D Handheld Scanner

Portable and precise 3D scanning

The FotoScan 3D Handheld scanner is the latest 3D scanning system based on the world leading FotoScan 3D scanning technology.

The FotoScan 3D Handheld scanner uses stereophotographic or "white light" technology to capture a precise 3D image of the object being scanned. Scanning takes less than a second and the data it generates is accurate to within 0.5 mm.

FotoScan 3D output files are compatible with all the leading CAD/CAM systems and a full colour 3D image is automatically created for clinical records or measurement.

Easy to use...

FotoScan 3D Handheld is a plug-in-and-go device. With the software installed on your laptop you simply plug the scanner in via the USB and Firewire connections and you are ready to scan.

To take a scan you just point the scanner at the target and press the grab button. The patterned white light shows you when the device is in focus. There is also a live preview screen displayed on the laptop to make sure you are capturing exactly what you want.

The scan is a brief illumination of white light that takes around one second. Ten seconds later you have a complete 3D model. It is that simple. You can then save the data for re-use in CAD/CAM systems or any other applications.

Accurate and reliable...

The FotoScan 3D Handheld is accurate to within 0.5 mm on any 2D or 3D measure. It is a genuine 3D system and will capture all surface contours in perfect detail.

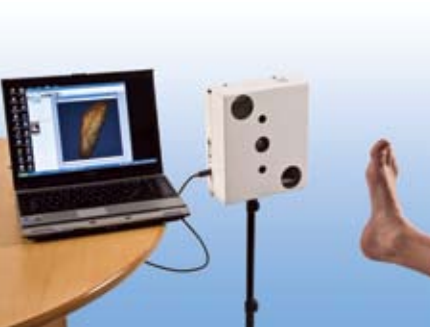
The system is very robust and can be moved from place to place without any need to re-calibrate. If, eventually, calibration is required, it is a simple one minute photographic process requiring no mechanical adjustment or technical knowledge.

FotoScan 3D is completely solid-state with no moving parts, so it is highly reliable. All our scanners are supplied with 12 months technical support and a full parts and labour warranty.

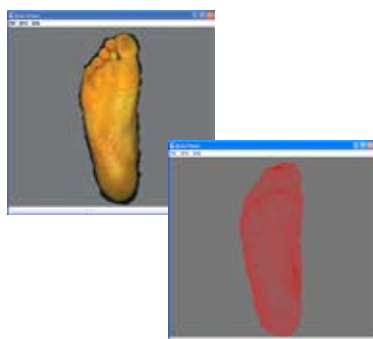
The ideal solution for plantar scanning and orthotic manufacture...

The FotoScan 3D Handheld is perfect for scanning the plantar surface for custom orthotics. By mounting it on a standard tripod or light stand, you are free to position the foot exactly as clinically required. A simple and configurable delay function means that the single practitioner can easily run the device unassisted – you just press the scan button, position the foot, and wait for the scan to automatically activate.

FotoScan 3D output files can be used by virtually every orthotic lab in the world. So instead of sending bulky casts or foam boxes through the mail, you can simply email a 3D file of the plantar surface and expect perfect results. And, if you need to use a plaster cast or foam box, FotoScan 3D will scan those in exactly the same way.



A one second scan time and less than ten seconds to create a full 3D model



"FotoScan is undoubtedly the most effective foot scanning solution on the market. It delivers excellent results and has helped revolutionise our shoemaking business"

FROMME ORTHOPADIE SCHUHTECHNIK, GERMANY.



Save time and money...

Scanning the foot digitally is far quicker than making a plaster cast, and there are no consumables costs or postage charges. As a result, the use of the FotoScan 3D scanner can generate substantial savings for your practice. A paper published in the Australian Journal of Podiatric Medicine (2007, Vol 41) concluded that podiatrists could expect to cut their casting costs by up to 90% through the use of a 3D scanner.

In addition, because FotoScan 3D files are industry standard, you are not tied to any single orthotic manufacturer. That means that you can source your orthotics from anywhere in the world and negotiate the best deals for your practice.

A wide range of other applications...

FotoScan 3D Handheld can be used in any application area where accurate 3D data is required. These include all aspects of the orthopaedic industry and the wound treatment/management sector.

Additional software functionality is under development to allow detailed measurement of full colour images within the FotoScan software, and automatic stitching of multiple 3D models.

Technical Specification

Camera/Projection

- 2 x Firewire high resolution digital cameras
- 2 x 50 watt texture projector
- 1 x 35 watt render projector
- USB interface
- Firewire port interface (PCMCIA)

Dimensions

Width	24 cm / 9"
Length	28 cm / 11"
Depth	10 cm / 4"
Weight	2 Kg / 4lbs

Electrical

- 110 or 240 volt
- 12 volt internal

Scan Volume (at a distance of 75 cm / 30")

Length	40 cm / 16"
Width	20 cm / 8"

File formats supported

STL, VRML, DXF, RAW etc

Software

- Automatic projector/camera control
- Multiple settings for skin or object colour
- Single button scan
- Configurable scan delay function
- Automatic 3D model building
- Two build modes
- 3D model trimming capability
- Integrated 3D viewer
- View wireframe, slice or full colour
- Keyboard/mouse interface
- Fully configurable camera and 3D build settings

System Requirements

- Microsoft Windows 2000/XP
- 1.8 GHz +
- 512 MB RAM
- 1 x USB port
- 1 x Firewire port or PCMCIA slot

Warranty

- 12 months parts and labour
- 12 months technical support
- CE Certified



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