



FotoScan 3D Portable Plantar Scanner unique 3D scanning for custom orthotics



The Portable Plantar Scanner is a genuinely portable 3D scanning solution based on the leading FotoScan 3D technology. Weighing only 9Kg it can easily be carried from one clinic to another. It is robust, very easy to use and can be safely carried in a car or in the hold of an aircraft.

In common with all FotoScan 3D scanners, the Portable Plantar Scanner uses unique stereophotographic technology to capture a precise 3D image of the plantar surface of the foot. The CAD data that it creates is accurate to within a fraction of a millimeter and can be used by all of the leading orthotic manufacturing systems to design a perfectly fitting insole. It also creates a full colour 3D image to provide a complete clinical record of the foot condition.



Easy-to-use

The Portable Plantar Scanner is as easy to use as a conventional digital camera. The patient simply places a foot on a transparent plate and the clinician clicks the Scan option on the FotoScan software. The scan process is virtually instant - less than 1 second for each foot.

Scans can be taken with the foot either weight-bearing, partial-weight bearing or non-weight bearing. The foot can also be held in a corrective position if required.

For a more traditional approach, the Portable Plantar Scanner will also scan foam box impressions and plaster casts.

Accurate and reliable

The Portable Plantar Scanner is accurate up to within a remarkable 0.5 mm on any measure of the foot. It is a genuine 3D system and captures full details of the complete plantar surface including the arch.

The Portable Plantar Scanner is a solid-state system with no complex moving parts to wear out or maintain. It is completely reliable and backed with our full 12 month warranty.

Compatible with all orthotic manufacturing systems

The Portable Plantar Scanner creates a wide range of industry standard 3D file formats. These include DXF, STL, RAW and VRML. The latter also supports full colour 3D image mapping, so you can see a complete colour photograph of the plantar surface in precise 3D.

Virtually all existing CAD systems, including those used for orthotic design and manufacture, support one or all of these formats. You can therefore use Plantar Scanner data with orders for custom orthotics from anywhere in the world in the knowledge that, based on this data, the orthotics will be a perfect fit.

The **Plantar Scanner** uses unique stereophotographic technology to capture a precise 3D image of the plantar surface of the foot.

Technical Specification

Camera/Projection

- Firewire high resolution digital cameras
- 50 watt texture projector
- 35 watt render projector
- Parallel port interface
- Firewire port interface

Dimensions

Width	40 cm	(15")
Length	58 cm	(22")
Platform height	22 cm	(8")
Weight	9 Kg	(20lbs)

Electrical

110 or 240 volt
12 volt internal

Scan Volume

Length	35 cm	(14")
Width	17 cm	(7")

Software

- Multiple scan settings for skin/sock colour
- Single button foot scan
- Automatic 3D model building
- Integrated 3D viewer
- integrated 3D measurement capability
- View wireframe, slice or full colour
- Export to VRML, DXF, STL, AOP and RAW formats
- Keyboard/mouse interface
- Fully configurable scan and 3D builder settings

System Requirements

Microsoft Windows 2000/XP/Vista/
Windows 7
1.8 GHz
512 MB RAM
USB port
Firewire port (or expansion slot for
Firewire card)

Warranty

12 months parts and labour
12 months free technical support
(telephone/email/remote control)

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"An outstanding development for custom orthotics"

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