

## FotoScan Plantar Scanner

unique 3D scanning for custom orthotics



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

The 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 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 a "Grab" 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 Plantar Scanner will also scan foam box impressions and plaster casts.

### Accurate and reliable

The 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 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 1 or 2 year warranty.

### Compatible with all orthotic manufacturing systems

The 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.

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### 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
Length	70 cm
Platform height	23 cm
Weight	20 Kg

#### Electrical

110 or 240 volt  
12 volt internal

#### Scan Volume

Length	35 cm
Width	17 cm

#### Software

- Automatic projector/camera control
- Multiple settings for skin/sock colour
- Single button foot scan
- Automatic 3D model building
- Two build modes
- Integrated 3D viewer
- View wireframe, slice or full colour
- Export to VRML, DXF, STL and RAW formats
- Keyboard/mouse interface

- Touch screen interface
- Fully configurable camera and 3D build settings

#### System Requirements

Microsoft Windows 2000/XP  
1.8 GHz  
512 MB RAM

#### Warranty

12 or 24 months parts and labour

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*"An outstanding development for custom orthotics"*

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