

The **FotoScan 3D (™) Air Impression Box** – direct foot scanning with foam box depth

The FotoScan 3D Air Impression Box allows you to dispense with conventional foam boxes and directly scan the foot to create a deep 3D cast of the plantar surface.

Based on research by Jose Macon, a leading Spanish podiatrist, the Air Impression Box allows you to hold the foot in a wide range of positions to achieve exactly the correct clinical effect. The foot can then be instantly captured in 3D, with an accuracy of less than 0.5mm.

The Air Impression Box means that you no longer have to hold foam boxes in stock and send them to labs for orthotic production. Instead you can scan the foot directly and simply email the 3D data to any lab with a CAD/CAM based production process.

A cheaper, faster and more reliable approach to custom orthotics.

Simple and flexible...

The Air Impression Box fits onto the standard foot plate on the FotoScan 3D Portable Plantar scanner. It requires no special fixings and can be positioned in seconds.

It is a simple, lightly pressurised (less than 1 PSI) acrylic box with a thin flexible rubber cover. To use it, you simply place the foot on the rubber sheet with as much pressure as you feel is required. You can hold the foot in any position, exactly as you would for a cast or foam box impression.

Once the foot is correctly positioned you just press the scan option in the FotoScan software. Because the 3D scan image is taken within a fraction of a second there is no need to worry about any small movements of the foot. The images will be sharp and FotoScan will build a precise 3D model of the plantar surface.

Compatible with most CAD/CAM systems...

FotoScan 3D scanners generate a range of standard 3D file formats (including STL and VRML) that are used by all of the leading CAD/CAM systems. The Air Impression Box scans are perfect as the basis for custom orthotic design, particularly for systems that require significant depth of data, for example, around the heel and the arch.

Scans taken using the Air Impression Box will work perfectly with most specialist orthotic CAD/CAM systems including:

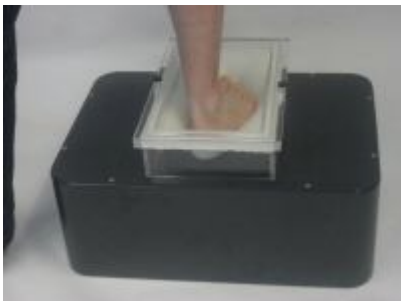
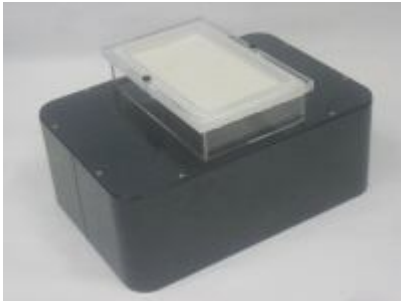
- FootMILL
- Paromed
- Pedcad
- OrthoModel

Portable and easily maintained...

The Air Impression Box is small and light and can be carried with the Portable Plantar scanner for use in clinics anywhere. So there is no need to carry multiple foam boxes and no need to post them back to labs for orthotic production. You can just email the scans from your laptop.

The Air Impression Box is easy to clean and the rubber sheet can be used many times. If it needs to be replaced, it takes a few minutes only. Where necessary, air pressure can be adjusted using a simple pump supplied with the device.

“A brilliant solution to the problem of direct 3D foot scanning.” Centre Podològic de Tarragona



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