3D scanning

in the palm of your hand

Materialise Sam

3D Scanning App

Materialise SAM - 3D Scanning App

The power of a 3D scanner in your pocket

3D scanning is an invaluable asset for foot and ankle experts, but traditional 3D scanners aren’t always suitable for every practice. Regardless of clinic space, budget, or location, SAM is here to change that, making 3D scanning accessible for all.

The Scanning App by Materialise (SAM) is a powerful 3D scanning tool for iOS devices (iPad and iPhone), with results proven to match traditional high-end scanners.

Effortlessly analyse your patients on the go without the need for casting, foam impression boxes or expensive, bulky 3D scanners. With various scanning protocols to cater for all preferences, capture the 3D shape of your patient’s feet and instantly transfer it to your Footscan software for the next level in foot analysis and orthotic prescription.

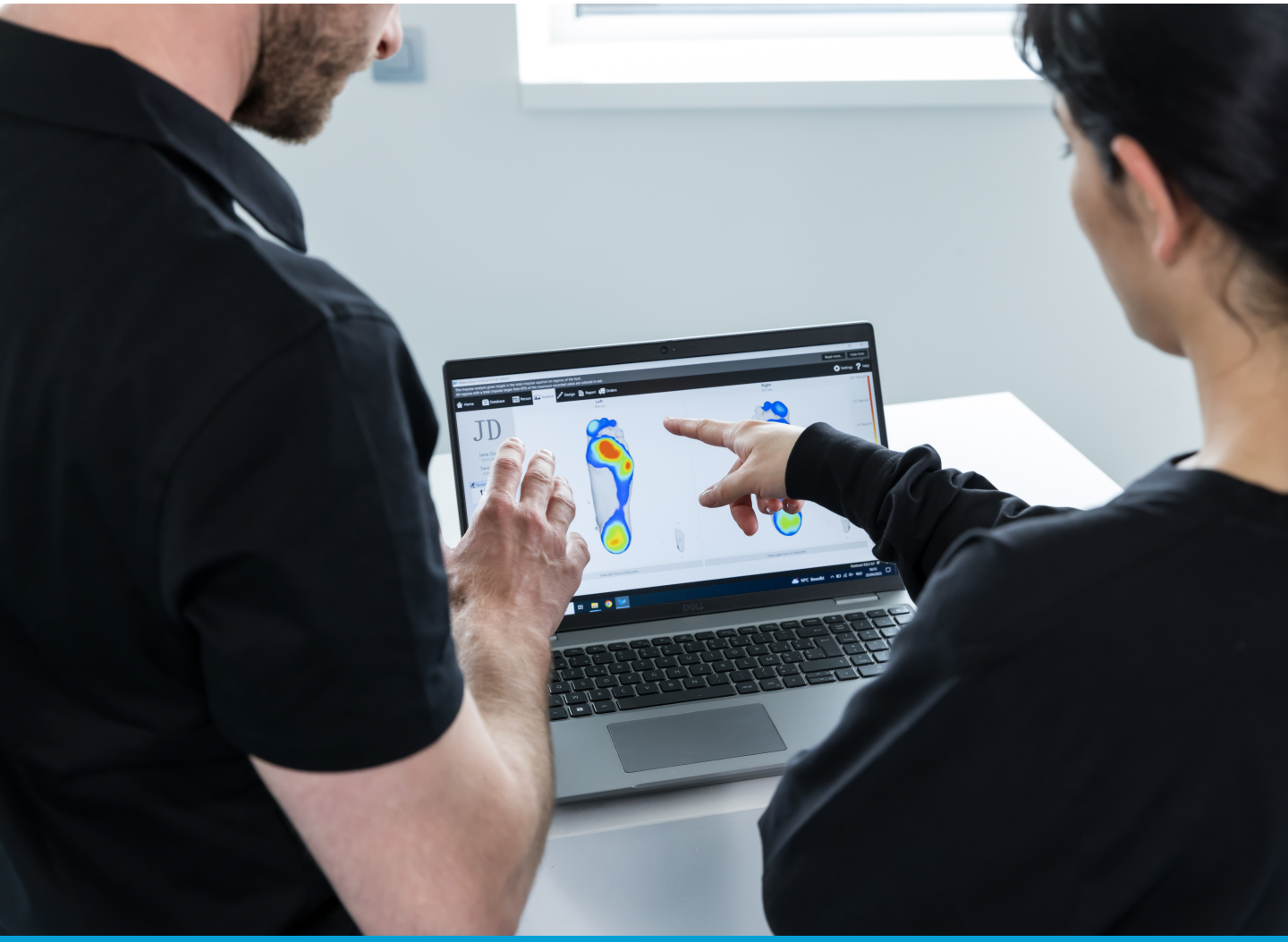
2D v 3D scanning? Level up with 4D!

Offer the gold standard in foot analysis with Footscan and SAM

Dynamic analysis of the foot in motion is imperative when prescribing orthoses to identify asymmetries or abnormalities in timing, stability, pressure, force and impulse. But what if we could directly merge this dynamic data with the static 3D foot shape? Well, now we can!

3D scanning for orthotic prescription is a new way of achieving the foot shape versus traditional casting or foam box impressions. But all 3 of these methods are static and do not directly consider movement.

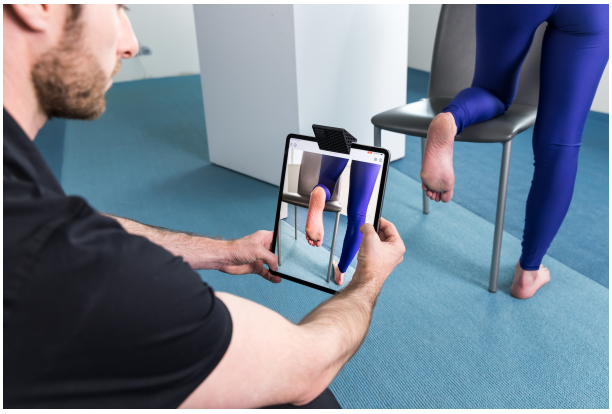
4D analysis takes the concept of 3D scanning a step further by introducing the dimension of time, incorporating dynamic changes and movements to create a more interactive and immersive experience for the clinician and patient, like never seen before.



A Simple 4-Step Digital Workflow

1) 3D scan

Using your preferred 3D scanning protocol, capture your patient's static 3D foot shape and image with SAM and instantly transfer this to your Footscan software by scanning the on-screen QR code.

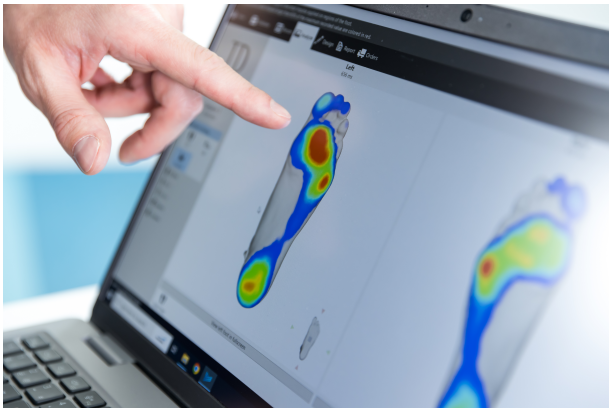


2) Footscan

Obtain quick, accurate, real-time dynamic data from your patient's unique movement using Footscan, the first and only gait analysis system to be Professionally Approved by the Royal College of Podiatry.

3) Analysis

Observe how your patient's feet function during their natural gait and identify any asymmetries or abnormalities in their foot pressure, timings and stability during the dynamic roll-off.



4) Phits+ Design

Adapt and customise your scientifically automated Phits 3D printed orthotic design and instantly order via the cloud. Directly send your patients an advanced Phits+ report with their data and design.

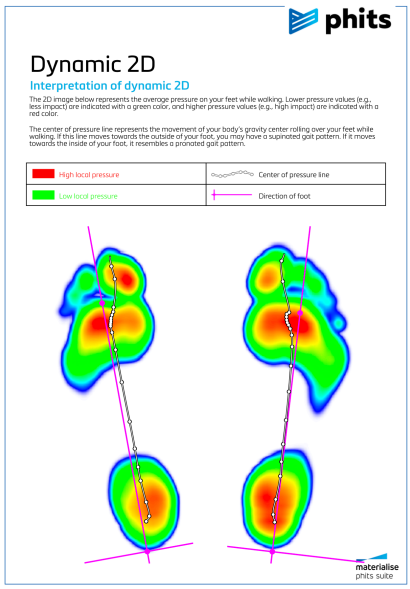
Advanced Phits+ Reporting

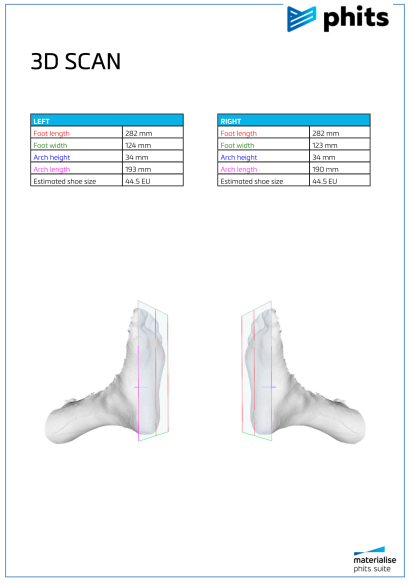
With better education comes better results

Based on feedback from our clinical partners, we have created an enhanced, automated patient reporting feature which can be fully customised to your practice.

Include the information obtained from your 3D scan and Footscan gait analysis, along with 3D visualisations and explanations of all orthotic corrections that you have selected for your patient.

The Phits+ reports can be emailed directly from your Footscan software to the patient before they receive their orthoses, helping them to understand their treatment plan, improve patient buy-in and overall experience.





SAM Compatibility

SAM is designed to run on the following iOS devices…

iPad

iPad Pro 12.9-inch (6th gen)
iPad Pro 12.9-inch (5th gen)
iPad Pro 12.9-inch (4th gen)
iPad Pro 11-inch (4th gen)
iPad Pro 11-inch (3rd gen)
(plus all future generations)

iPhone

iPhone 12
iPhone 12 Pro
iPhone 12 Pro Max
iPhone 13
iPhone 13 Pro
iPhone 13 Pro Max
iPhone 14
iPhone 14 Plus
iPhone 14 Pro
iPhone 14 Pro Max
(plus all future generations)

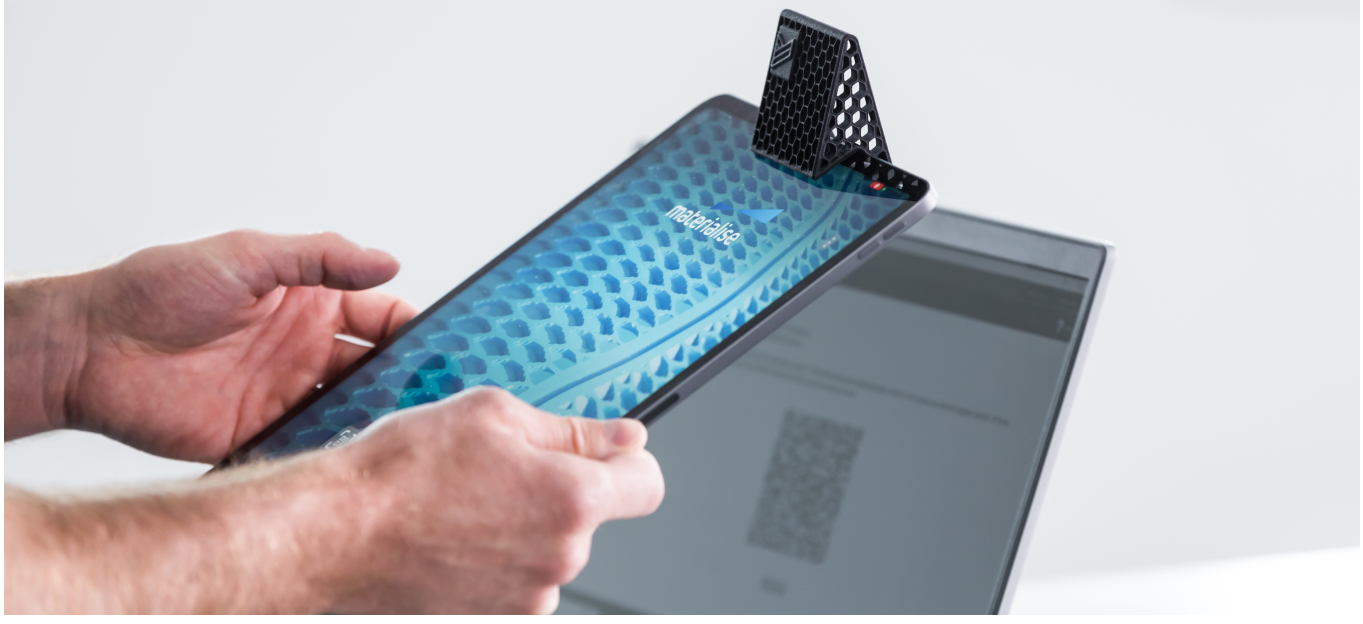
SAM utilises the 'TrueDepth' front-facing camera of your device.
Search for **SAM – Scanning App Materialise** in the App Store.

SAM Tutorials

Getting started with SAM is easy. Watch our in-depth tutorials **here** to learn everything there is to know from set up, scanning protocols and sharing the scans to your Footscan software at the click of a button.

SAM Official Images

A picture paints a thousand words – and we've got plenty for you to explore and use as you wish. Access our library of over 250 official images **here** and use them on your website, social media channels, or other communication materials.



SAM Pricing

SAM has been exclusively designed for Footscan users, enabling them to offer the gold standard in foot analysis.

SAM Annual License: £250+VAT

Includes:

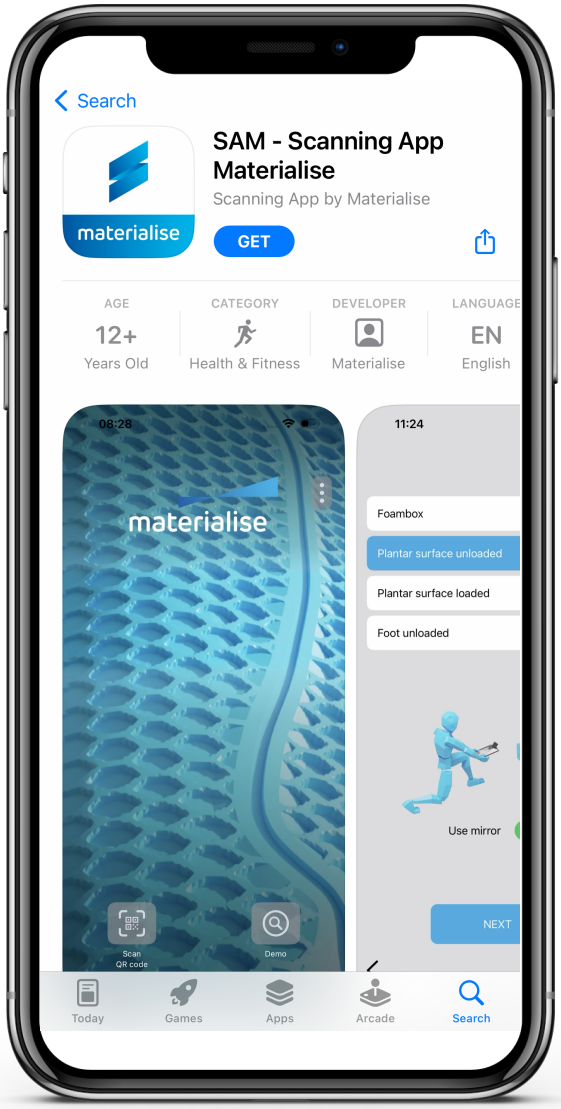
- Unlimited 3D scans and licenses
- Advanced Phits+ reporting
- Software maintenance
- All software updates

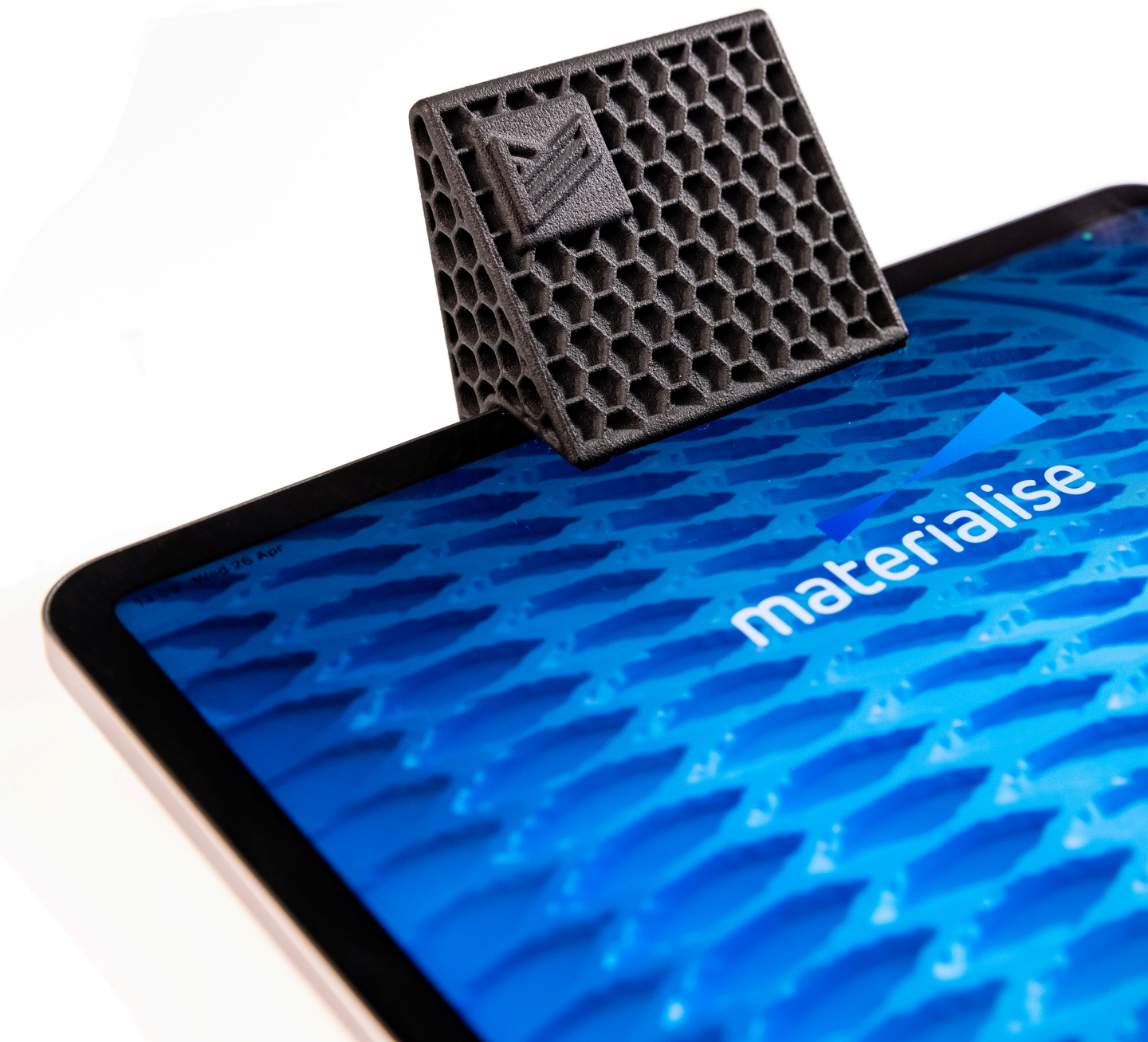
SAM Mirror Attachment: £80+VAT

The optional SAM mirror attachment is a unique 3D printed device which simply clips on to your iPad or iPhone to assist with the 3D scanning process.

Ready to step into the future?

Simply download SAM from the App Store and get in touch with us to process your license. Call GMT on **01223 603984** or email us via **info@gaitandmotion.co.uk**



GMT

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