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Title	The use of computer-aided design and manufacture for foot orthoses: a cross-sectional study of orthotic services in the UK
Type	Article
URL	https://clock.uclan.ac.uk/53622/
DOI	https://doi.org/10.1002/jfa2.70031
Date	2025
Citation	Barr, Laura, Richards, James and Chapman, Graham (2025) The use of computer-aided design and manufacture for foot orthoses: a cross-sectional study of orthotic services in the UK. <i>Journal of Foot and Ankle Research</i> , 18 (1). e70031.
Creators	Barr, Laura, Richards, James and Chapman, Graham

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<https://doi.org/10.1002/jfa2.70031>

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Figure 5. The most common workflow for CAD/CAM insole production in UK Orthotic services:



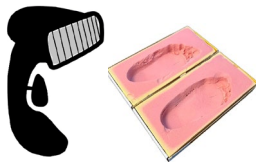
Shape capture - 86.8% (79/91) of services most commonly used foam box impression casts when manufacturing CAD/CAM insoles

The patient's foot is pressed into a phenolic foam box to produce a negative cast of their foot



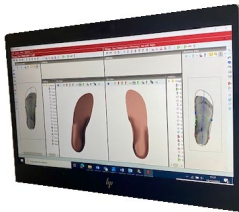
Scanning - 90.8% (79/87) of services reported that the casts were transported and scanned into the CAD/CAM system at another site

The foam-box cast is physically transported to a site with a digital scanner



Digital upload - 81.6% (71/87) of services scanned the negative cast into the CAD/CAM system

The negative foam-box cast is scanned directly into the digital scanner without being filled with plaster



Insole design – in 73.6% (67/91) of services a technician modelled the CAD/CAM insole

The digital foot model is modified in the CAD/CAM system in order to create the final insole design



Manufacture – mean 59.1% (SD 37.92) of all CAD/CAM insoles were produced by reduction milling

The physical insole is produced by a milling machine from the digital insole design which is milled into a block of material such as ethylene-vinyl acetate