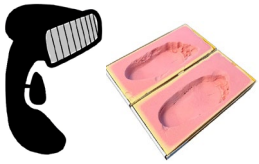
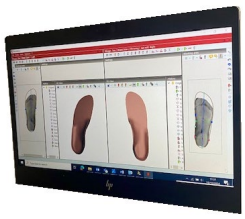
Figure 5. The most common workflow for CAD/CAM insole production in UK Orthotic services:

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 deign

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