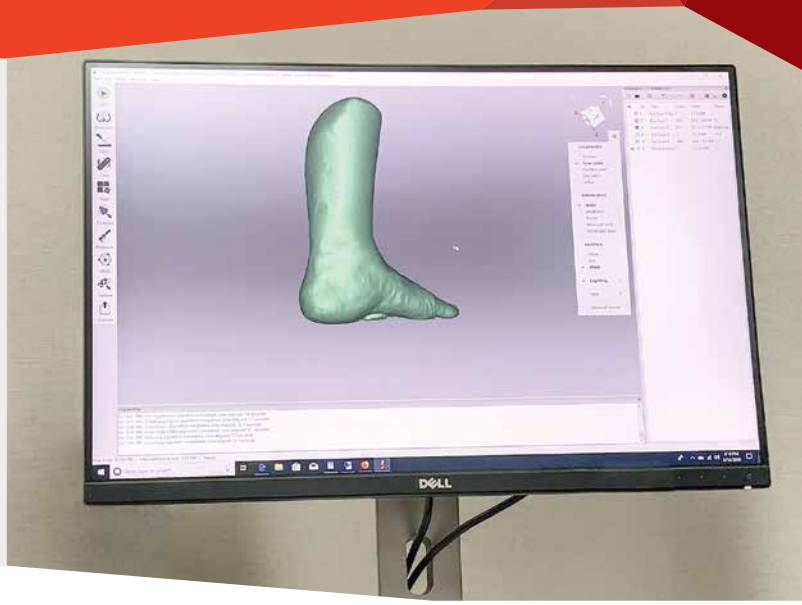
Artec 3D

ROI OF 3D SCANNING FOR CUSTOM ORTHOTICS



ARTEC 3D SCANNERS: A SUPERLATIVE CHOICE FOR CUSTOM ORTHOTICS

An orthotics & prosthetics clinic needed to reduce the time & costs required for making custom orthoses, while making them more precise and comfortable.

	TRADITIONAL METHOD Manual Measurement	NEW METHOD Precision 3D Scanning with Artec Eva
Time	30 minutes for casting, 1 hour for measurement, 3 hours CAD design, 30 minutes' milling and finishing.	3 minutes for 3D scanning, 20 minutes' post-processing & CAD, 30 minutes' milling and finishing.
Cost	Approximate time: 5 hours	Approximate time: 1 hour = 80% time savings compared to traditional method.
Method	Plaster casting together with tape measures and calipers, with the final drawings being created in CAD software and sent to the milling machine.	3D scanning patient's feet from all sides with Artec Eva, post-processing in Artec Studio, converting to CAD, then sending to milling machine.
Level of accuracy	Slow and messy, as well as uncomfortable for patients. High risk of inaccuracy.	Up to 0.1mm 3D accuracy

THE CLINIC ACHIEVED 80% REDUCTION IN TIME AND 69% REDUCTION IN COSTS USING 3D SCANNING

ROI per pair of orthoses		
Traditional + CAD	5 hours	Full cost
3D scanning + CAD	1 hour = 80% less time	69% cheaper

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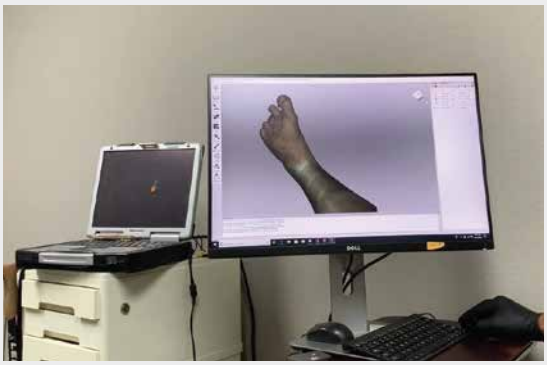
ROI OF 3D SCANNING FOR CUSTOM ORTHOTICS

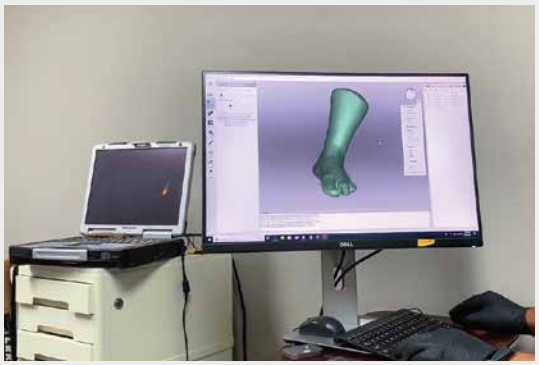
Scan to CAD with Artec Eva, up to 0.1 mm 3D accuracy

It is 80% faster and 69% cheaper to create these custom precision orthoses compared to using traditional materials and manual measurement.

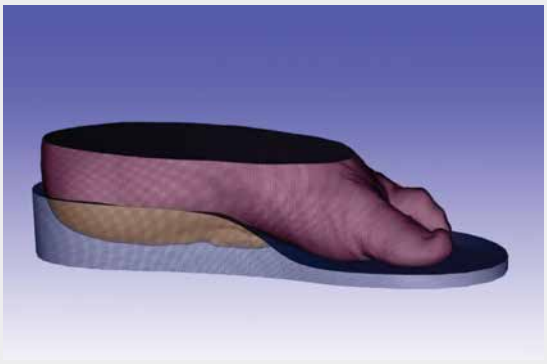
1. 3D scan all sides of a patient's foot. Repeat for other foot

2. Post-process the 3D scans in Artec Studio and create precise 3D models





3. Send the 3D models to CAD and ready them for CNC milling



Other advantages of using 3D scanning: SPEED, PRECISION & COMFORT

Casting and measuring casts of patients' feet is messy, laborious, and time-consuming. Patients dislike it, and the final results can be other-than-ideal, which leads to product returns, bad reviews, etc. 3D scanning is fast and accurate, saving time and money, and the 3D models are easily archived for future use, unlike bulky plaster casts.