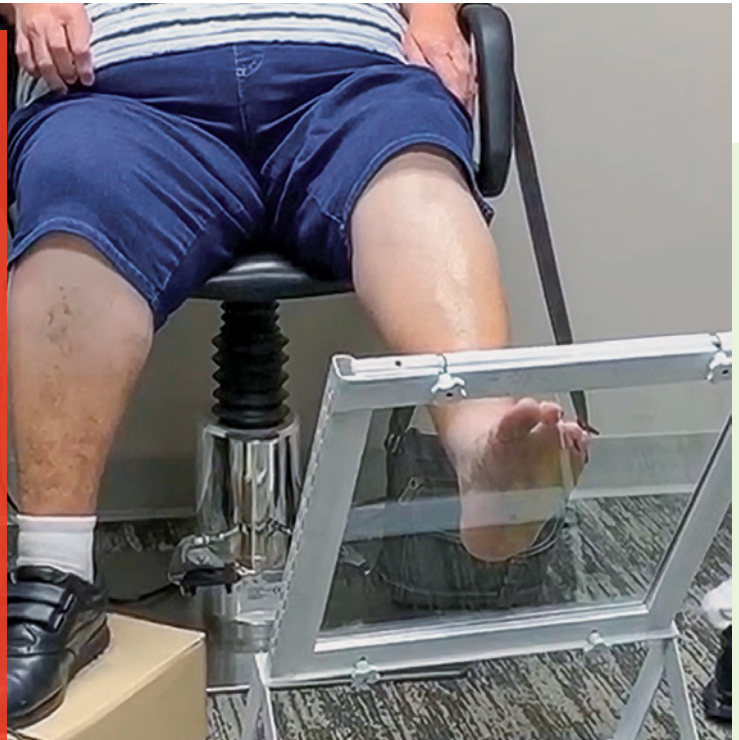


ROI FOR ORTHOPEDICS

Artec 3D scanners: a superlative choice for custom orthotics

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



TRADITIONAL METHOD Manual Measurement

NEW METHOD High-speed 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 0.1 mm 3D accuracy.

ROI per orthosis	Traditional + CAD	3D scanning + CAD
Time	5h	1 h (80% less time)
Cost	Full cost	69% cheaper

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