

Technology updates to bring you better results

APC Prosthetics has recently acquired some exciting new equipment - the Siliconcoach Video Analysis System, Compas™ (Orthocare Innovations) and L.A.S.A.R Posture (Otto Bock Healthcare), which will help the prosthetists maximise socket fit, prosthesis alignment and amputee gait, as well as being a useful educational tool for new prosthetists and students. This equipment will also be an integral part of the many new research activities beginning at APC.



Siliconcoach Video Analysis Station

Siliconcoach is a video analysis system designed for analysing movement and providing feedback in a variety of areas including sports, education, rehabilitation and now prosthetics. This system allows us to capture 'live' video footage of amputees walking from two cameras (front and side view). The Siliconcoach software analyses the footage and allows it to be viewed in either slow motion or frame-by-frame. The software also includes measurement tools which measure time, angles, distance and speed. The Siliconcoach system provides important gait information to the prosthetist, immediate visual feedback for amputees and will be useful in specialised physiotherapy exercises and gait training.

The Compas™ is also a gait analysis tool which allows the prosthetist to use real-time gait analysis data to optimise prosthesis alignment for each individual. The Compas software collects and interprets data collected from a patient walking with their prosthesis and provides information to the prosthetist, including recommended adjustments to the prosthesis in order to improve the walking pattern.



Compas (Orthocare Innovations)



LASAR Posture (Otto Bock)

The LASAR Posture (Otto Bock Healthcare) is a force sensing platform that projects a laser line to visualise the position of the amputee's centre of gravity line. Understanding the position of this line helps prosthetists optimise the standing alignment of lower limb prostheses.

This new equipment, located in the gym at APC, will be valuable for both amputees and prosthetists, and will begin to be used more regularly in the very near future.