

ABSTRACT**METHOD OF PRODUCING PROFILED SHEETS AS PROSTHESIS**

A method of profiling a substrate as prosthesis for a structural defect in a patient whereby pressworking technique is used to pressed a prosthesis between a punch and a cavity mould to form the prescribed shape. The punch and cavity of the mould contains a profile that is computer generated and designed to closely match the patient's profile and to give the most natural and fitting prosthesis. The present method uses a set of 2-dimensional (2D) CT scans of the region around the defect and converts them into a 3 dimensional (3D) digital model, after which a prototype of the defective region is optionally produced by rapid prototyping techniques. The 3D digital model of the prosthesis is then used to digitally construct a set of profiling tools after which the actual punch and mould are physically produced.

FIGURE 1