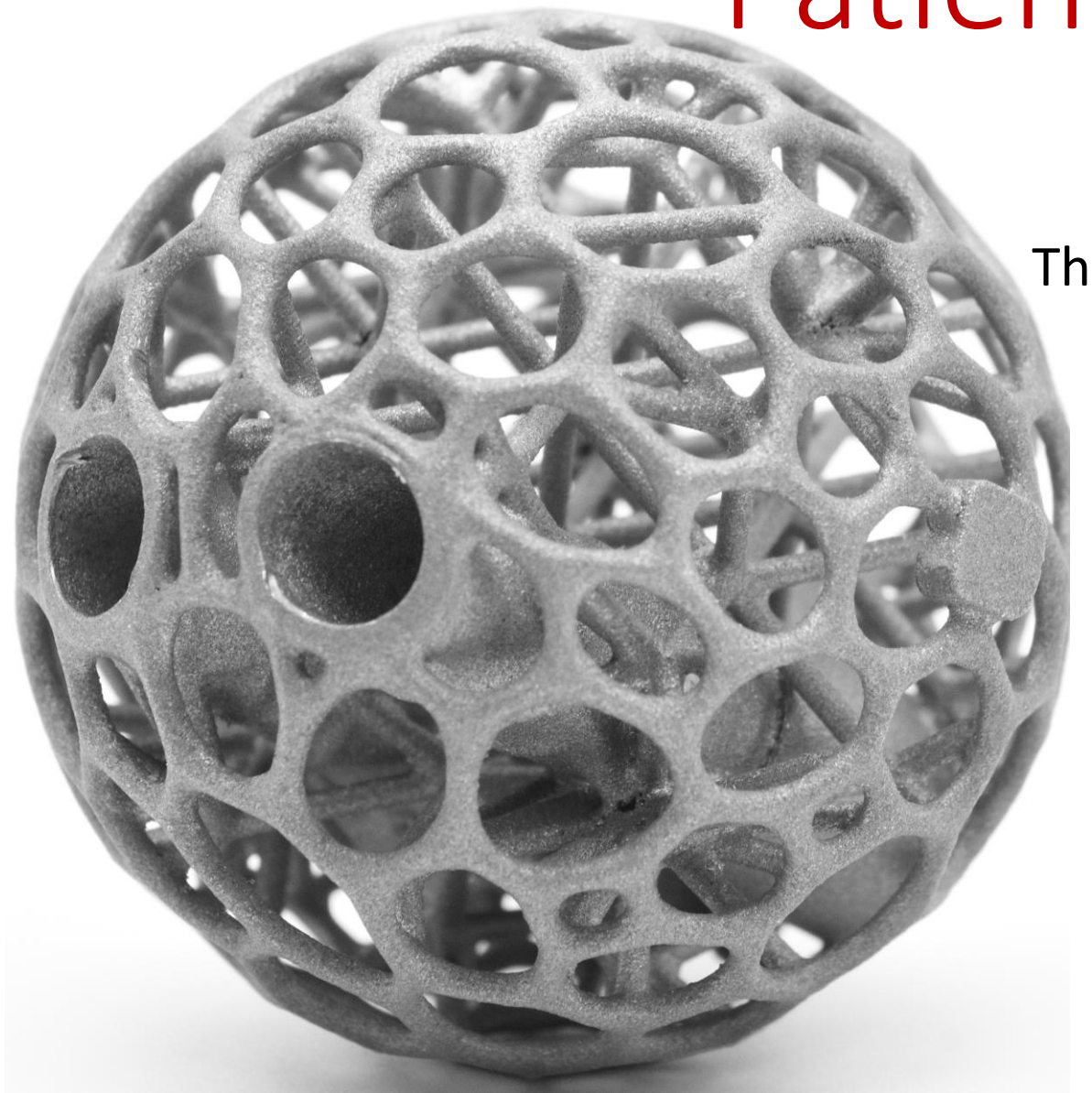
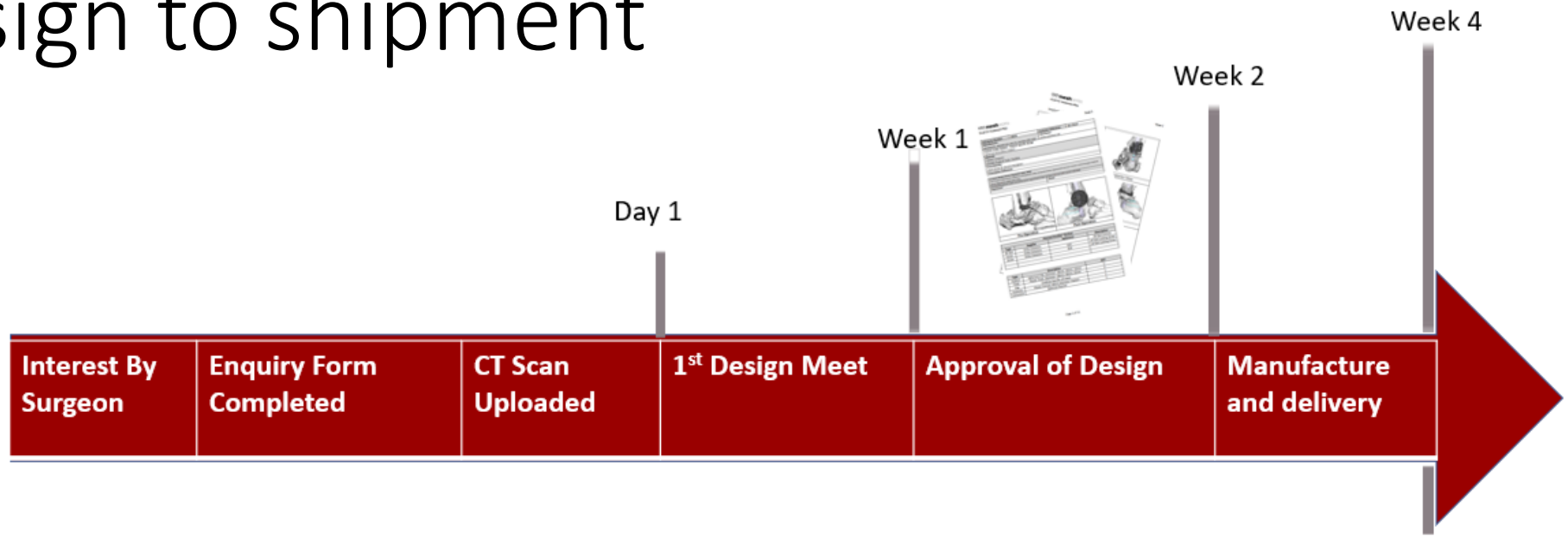


Patient-Specific Implant Service

The Process from design to Manufacture.

OrthoSolutions Group

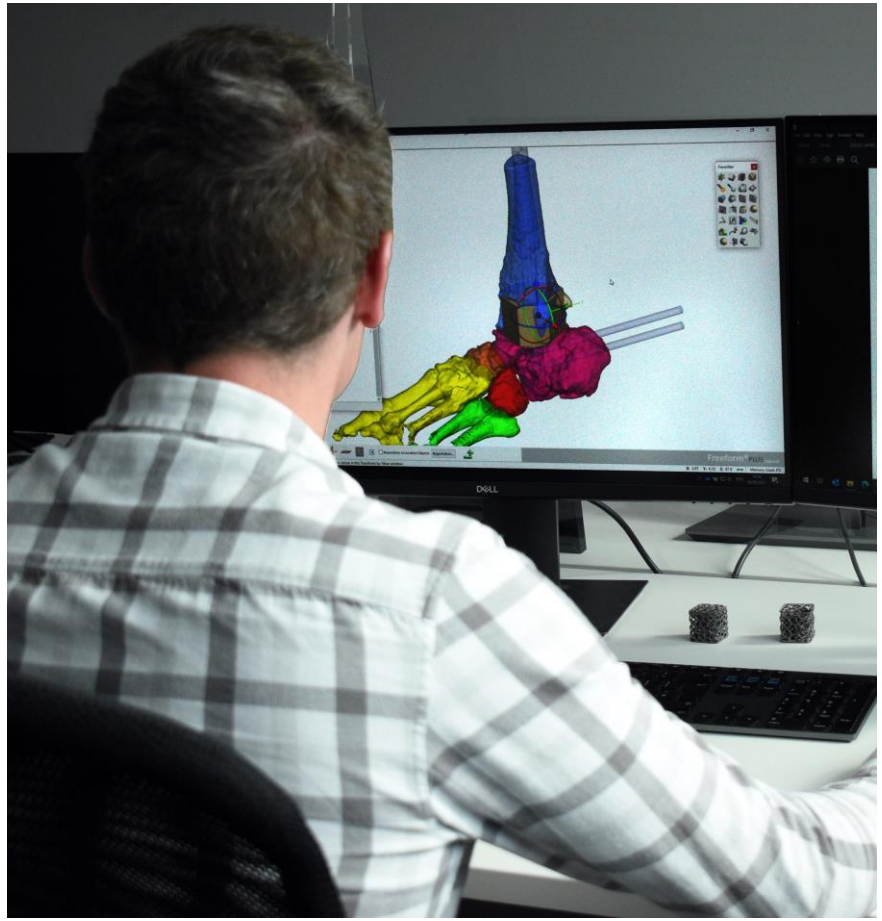
4 Week Elective Implant timeframe - From design to shipment



Once Interest has been communicated, a CT Scan of the patients' Foot and Ankle is required. A representative from Orthosolutions will guide you through completion of the Enquiry form. Funding approval from your hospital provider is obtained at this stage.

Once the above has been completed, the Enquiry form and CT Scan is then uploaded on to the MeshWorks Encrypted Portal and you will be invited to a design meeting with the MeshWorks Engineers.

Design Process – collaboration between Surgeon and Engineer

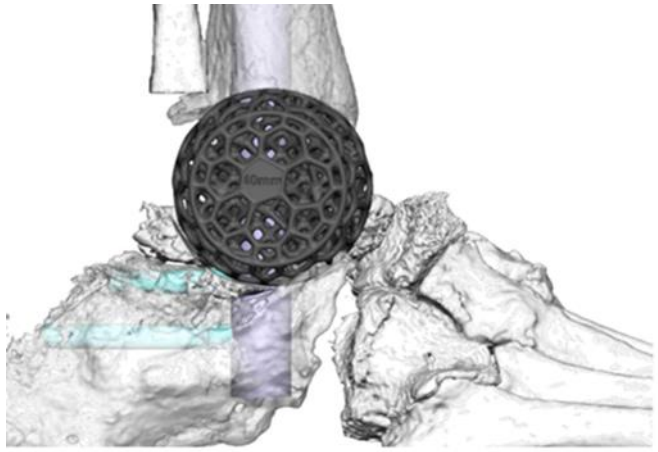


An online meeting between the Surgeon and MeshWorks Engineer typically lasts 60 minutes. The aim of the design meeting is to correct the altered anatomy, outline appropriate resections, design the implant geometry and discuss any other additional instruments and fixation hardware that will aid surgery. As a bespoke addition, Meshworks' surgeon advisors can be present at the meeting to offer design guidance.

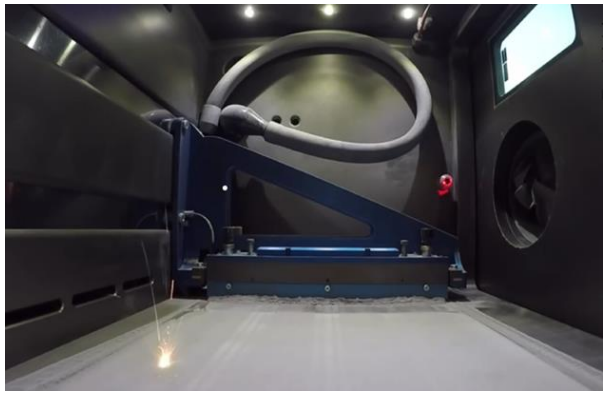
Following the design meeting, a patient-specific Treatment Plan will be issued and sent to you. This Plan will include information on:

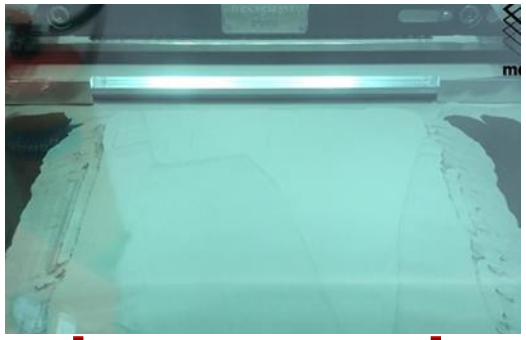
- drawings of the implant
- Resection Guidelines
- description of the associated instruments required

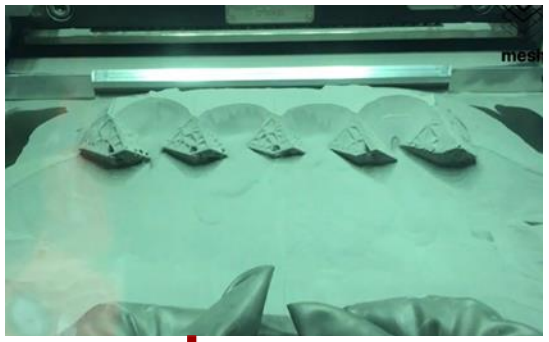
Manufacturing Process. From Design to Reality

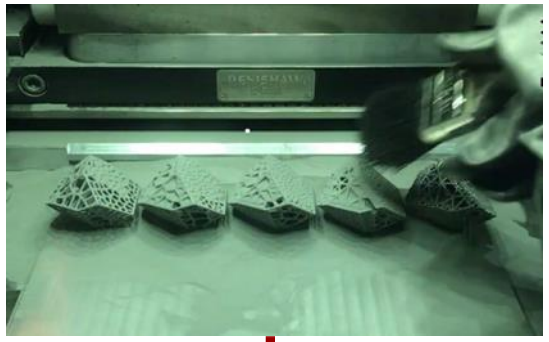


3D CAD file data is sliced into layers – creation of 2D image of each layer (~ 100 micrometres)









Each 2D slice is then brought to reality by a thin Layer of fine titanium Powder distributed using a coating mechanism onto a substrate plate

Layer upon layer is welded via a high-power laser beam to produce the geometrical complexities of the Individual Patient's anatomy, creating a custom-made Ti Implant