

**Reference Number:** FOI202223/639  
**From:** Other  
**Date:** 16 March 2023  
**Subject:** Trust use of 3D printing

- Q1      a) Is 3D printing technology being used at your facilities?  
          b) Do you plan on utilizing 3D Printing technology in the near future? Is 3D printing technology being used at your facilities?  
          c) What part(s) do you intend to 3D print (e.g. Prosthetic limbs, hearing aids etc.)?
- A1      Yes – this is subcontracted to Insight Surgery (3D LifePrints UK Ltd)
- Q2      What 3D Printers are being used for producing the parts (Brand name & model)?
- A2      Stratasys - uPrint SE Plus  
          Stratasys – Object 260 connex 3  
          Ultimaker - 3 Extended  
          Formlabs – Form 3+
- Q3      What type of parts/products are being printed (e.g. Prosthetic hand, prosthetic leg, splint, hip joint etc.) Please be specific
- A3      Anatomical Models and Surgical Guides
- Q4      What materials are being commonly used for 3D printing at your facilities?
- A4      FDM – PLA  
          Polyjet – Vero, Agilus30 by Stratasys  
          SLA – Biomed clear
- Q5      What ISO standards and/or other ASTM/BS standards are being followed when producing the parts/products?
- A5      ISO13485
- Q6      Please briefly describe the ethics process that is required for using 3D printing parts in patients?
- A6      The devices are supplied as custom made devices under the Medical Device Regulations