

3DMEDiTech available for local device, part and component collaborations

We are all aware that the ongoing Coronavirus (COVID-19) global health emergency has resulted in acute shortages of key medical devices and component parts. These shortages could be caused by unprecedented demand, logistics constraints or even export controls in the jurisdiction of manufacture.

Early reports from Europe and North America indicate that 3D Printing is uniquely capable of rapid local deployment to assist in preventing these shortages. However, when doing so, ensuring that the highest levels of clinical, engineering, regulatory and supply certainty are met is essential.

Based in Melbourne, 3DMEDiTech (www.3dmeditech.com) operates one of the only – and certainly the largest – ISO13485 certified medical 3DPrinting manufacturing facilities in Australia.

This facility has significant manufacturing capacity in a cleanroom environment and is completely geared to produce mass personalised medical devices.

3DMediTech and its constituent businesses units (SmileStyler and Serkel) stand ready to assist medical device companies to locally manufacture the devices and components our health system may urgently require as part of the national and global response to the pandemic.

3DMEDiTech CEO, Grant Enders said, “We think these collaborations will work best where medical device companies concerned about their supply chain work with us in advance to secure a solution which ensures seamless clinical efficacy and regulatory certainty.”

3DMEDiTech’s fleet of installed 3DPrinters includes:

- SLS (Selective Laser Sintering) equipment capable of printing medical grade plastic devices / parts.
- State-of-the-art PolyJet 3D Printing equipment platforms capable printing models and parts in a wide range of digital material configurations.
- High volume DLP (Moving-Light) acrylic photopolymer 3D Printing capacity which can be applied to many applications, like critical spare parts.

3DMediTech operates with a medical device-grade controlled cleanroom manufacturing facility. Their team of engineers are 3D Printing design and manufacturing veterans, and also have significant experience with Metal 3D Printing of medical devices.

The company’s clinical and research partners include Melbourne University and St Vincent’s Health Australia. they are foundation industry partners of the Australian Research Council Training Centre for Medical Implant Technologies “CMIT.”

3dMEDiTech co-founder Paul Docherty said, “3DMEDiTech’s core business is manufacturing Personalised Medical Devices where we have developed and own the IP and are the device sponsor. We do not normally seek contract manufacture of medical devices. This offer of collaboration is very much about our shareholders, board, management and employees wanting to actively contribute to the Australian MedTech sector’s ability to save lives during this crisis.”