

## Case Study - Medical Devices



### ARRK USES ITS EXPERTISE AND RANGE OF CAPABILITIES TO HELP MRI TECHNOLOGY COMPANY WITH WOW FACTOR SHOW MODEL

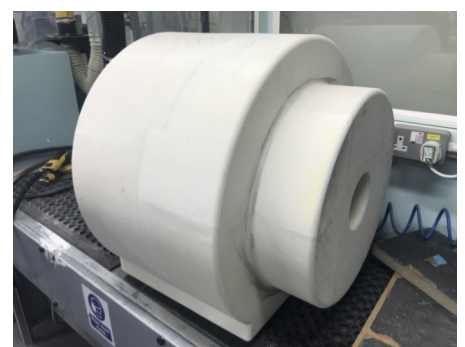
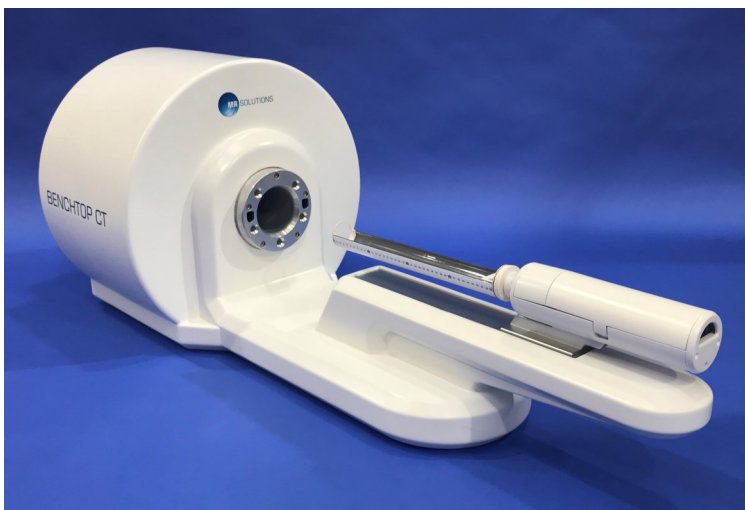
**ARRK was asked to help develop a scale model of a new pet scanner for MR SOLUTIONS for an upcoming show.**

MR Solutions are a leading MRI technology, developer and manufacturer of commercial, superconducting, cryogen-free (dry magnet), benchtop systems.

With a tight window for delivery, the team at ARRK worked closely with the client to understand their requirements for the scanner and the date in which it had to be completed and delivered ready for their show.

After initial discussions the project was kicked off and the team started building parts using a variety of 3D printing technologies. Parts were built using a combination of **Stereolithography (SLA) Xtreme resin** and **Selective Laser Sintering (SLS), Glass Filled Nylon powder**. Some SLS parts were also built in sections and then joined, bonded and finished to form a larger structure. Both the SLA and SLS parts were then prepped and painted to match the colours specified by the client. The client was also able to benefit from being able to visit our 3D printing centre in Gloucester during the model's development, allowing them to assess and review their design and to be reassured it met their expectations. ARRK was also able to support the client by incorporating components and livery supplied by them during the assembly phase, saving them valuable time.

We are delighted to say that this stunning replica model was delivered on time and in a dedicated box to ensure its safe transfer.



For further information on ARRK's range of services, please contact:

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3D PRINTING | PROTOTYPING | VACUUM CASTING | MOCK-UPS | CNC | RAPID TOOLING

PROTOTYPING & MANUFACTURING SOLUTIONS

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