



# CUSTOM COMPUTERS FOR ADDITIVE MANUFACTURING

“ The ability of our design and manufacturing team to create an innovative, high powered solution that meets specifications, while also remaining agile enough to cope with development needs, has enabled us to enjoy ongoing success with the customer and their application. ”

Account Manager,  
Captec

A leading engineering and scientific technology company with specific expertise in precision management and healthcare. The customer's services and products are used to support a diverse range of applications and purposes. The company is also a world leader within the field of additive manufacturing, being an exclusive designer and manufacture of innovative industrial solutions that print 3D parts from powdered metal.



## REQUIREMENTS & ISSUES

- ▶ Platforms must meet customer's height and depth specifications
- ▶ Future proofing of computers crucial in ensuring the application can evolve in line with technology
- ▶ Custom mounting to sit flush and not interfere with the customer's product branding
- ▶ Reliability rates of components should be optimised to achieve continuous operation
- ▶ High quality image capabilities to support 3D modelling
- ▶ Processing capability sufficient to meet the demands of such an intense application

## THE SOLUTION

- ▶ Captec developed a custom chassis to satisfy the customer's requirements
- ▶ Computers equipped with a range of expandability options to achieve future proofing
- ▶ Captec's design team developed platforms with the OSD positioned at the back, to achieve a flush fit when mounted
- ▶ Expert industry knowledge applied to select 24/7 operational components and optimise reliability
- ▶ High end graphics cards installed to generate high resolution images
- ▶ Computers equipped with the latest generation of Intel Core processors



## THE OUTCOME

- ▶ Captec had to be agile in production to meet the evolving needs of the project
- ▶ Customer places regular repeat orders to support the rapid development of additive manufacturing applications
- ▶ Captec and the customer continue to enjoy a mutually beneficial relationship spanning multiple projects



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