



UNIVERSITY OF
SURREY

CUSTOMER STORY

Discover how the University of Surrey took their 3D printing capabilities to the next level with Stratasys. Having been users of desktop FDM systems, Stratasys PolyJet technology unlocked a whole new level of capabilities for students and research projects.

PROJECT BRIEF

Listed among the leading universities in the UK, the University of Surrey is committed to innovation and maintaining its position as a top institution for higher education. By partnering with SYS Systems, the University of Surrey has invested in Stratasys to provide students with state-of-the-art equipment for producing realistic, functional components.



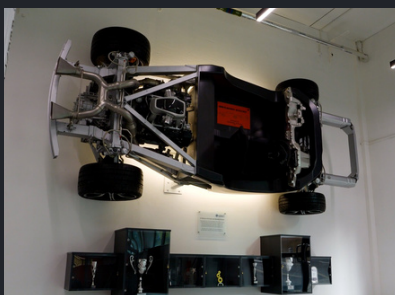
Additive manufacturing is playing an increasingly important role within the Faculty of Engineering, with more students keen to use the technology to produce customised components for their projects.

With this growing demand, coupled with wider industry uptake of 3D printing, the university recognised the need to invest in professional-grade systems. The aim was not only to meet student expectations but also to strengthen the university's appeal to applicants.

A selection of desktop 3D printers had previously provided students with some exposure to the technology, but both staff and students were looking for a more professional, industry-ready solution.

Myles Jenkinson, Design and Engineering Manager, said: "3D printing has come such a long way that it is now one of the main technologies we use. Externally, it is also used on a massive scale. It bridges the gap between university education and the world of work.

"One of our core values is innovation, so we aim to stay up to date with modern technologies to provide our students with the best possible education."



THE SOLUTION



The University of Surrey has invested in two Stratasys 3D printing systems, initially the Objet30 Prime as part of a trade-in for a legacy machine, followed by the J55, both of which use advanced PolyJet technology to deliver high levels of part accuracy and full-colour printing.

Myles said: “When I started at the University of Surrey, we already had a 3D printer, a multi-jet system, but over time, that became a legacy technology. We knew we needed to up our game and stay ahead of what is being used in industry. We approached SYS Systems as a Stratasys partner to trade in that machine and purchase a PolyJet printer.

“We’ve had a wide range of desktop FDM technologies for a long time, but PolyJet printing took us to the next level. It gave us the tolerances that students were looking for, along with full-colour capabilities and access to an industry-standard technology.

“We already knew that Stratasys was one of the largest companies in additive manufacturing and now we have experienced first-hand just how capable the technology really is.

“We are still amazed by the quality of the components when they come off the print bed. Our students are amazed, our colleagues are amazed, it absolutely lives up to the name.”

”

PolyJet printing took us to the next level and gave us access to an industry-standard technology.

THE BENEFITS



Both students and staff are impressed by the parts produced on the J55, with incredibly precise tolerances and the ability to replicate textures such as carbon fibre and wood grain.

Jaime Chatfield, Apprentice Technician, said: “I am one of the main users of the Stratasys J55 and I love how precise it is. It can produce really small parts that desktop printers cannot manage.

“The J55 is all about precision. With the other desktop machines, the tolerances just are not there, and students often have to do several prints to get it right. With the J55, that accuracy is built in.



“I cannot imagine not having the J55 at the university. It is such a widely used piece of equipment, by us and by the students, that I honestly do not know what we would do without it.”

The benefits of the technology extend beyond the engineering department. Other areas of the university also rely on the J55 and its capabilities are proving to be a valuable asset for collaborative research with external organisations.

“

Additive manufacturing here is not just about supporting the university; we also have companies reaching out to us to access the technology because what we have is genuinely state of the art.

Myles Jenkinson
Design & Engineering Manager





Watch the full customer story on the
SYS Systems YouTube channel.

Contact us.

Get in touch to request a FREE
consultation with a member of our team.

Call: **01283 585933**

Email: **info@sys-uk.com**

Visit: **sys-uk.com**

Faraday House, Woodyard Lane, Foston, Derbyshire, DE65 5BU



Part of
CARFULAN
GROUP