

## 3D printer leaves maker beaming

Artech Lighting, based on the borders of Durham, has actually invested in a Ultimaker S5 Pro 3D printer as it looks to bring the production of lots of its lighting elements back to the area, developing a number of brand-new tasks in the procedure.

Additive production, a term for commercial 3D printing, is the procedure where a 3 dimensional CAD design is turned into a physical item. For Artech, this will bring a number of advantages, the most considerable will be to lower expenses and lead times for parts as well as making in-house prototyping more effective, making the business more competitive on the international phase.

Since its launch in 2017, Artech Lighting has actually made a dedication to assistance UK producing, producing 100% of its item variety at its center in Durham and protecting agreements to supply some of the world's most prominent advancements, from the Dubai World Trade Centre to The University of Edinburgh and movie theaters throughout Saudi Arabia.

Stuart Hylton, Managing Director, stated: "As one of the extremely couple of lighting makers left in the UK that produces 100% of its items within our borders, we are extremely proud to stamp our items with the Made in Britain marque and to fly the flag for UK production.

"While numerous companies were struck by supply concerns throughout the pandemic, we saw our service grow three-fold, as designers throughout the world started to look for out items that not just provided sustainable shipment and lead times, however were likewise ecologically sustainable, and we would never have actually been able to attain this had it not been for the wonderful work of our group over the last couple of years.



“Looking forward, the financial investment into our brand-new 3D printing system will enable us to bring the production of even more elements internal, developing more extremely proficient tasks, additional driving down our carbon footprint and enormously enhancing performance, and we’re thrilled to see what the future holds.”

The purchase of the 3D printer was supported by matched-grant financing from the ERDF-backed £10.9 million Sustainable Advanced Manufacturing (SAM) Project led by the University of Sunderland.

The job is a cooperation in between the European Regional Development Fund (ERDF), the University of Sunderland and the Northern Powerhouse Initiative and Industry, supporting the application of item and procedure advancement and the intro of innovation within the SME production base in the North-East Local Enterprise Partnership (NE LEP) location.

“The assistance from SAM has truly been wonderful,” Hylton included. “Not just did they offer the financing needed to invest in the equipment, however their people likewise directed our style group through the whole procedure of determining the right set and making sure we saw the optimum possible return on our financial investment.

“Prior to engaging with the program, we constantly understood that welcoming additive production would be essential to sustaining the future of our service over the coming years, nevertheless the assistance from Carl and the group at SAM has assisted us to attain what we idea we would in 3 years, in simply 3 months. I can’t advise them enough.”

Artech Lighting is likewise making substantial financial investment of its own into a series of factory upgrades, acquiring a 2nd paint plant, press brake, profile roller and punch tool, as well as making considerable upgrades to its IT network.

Hylton stated: “The Artech brandname continues to be a significant market disruptor. We are ready to

contend with the more acknowledged brandnames and deal equivalent or much better quality, output, shipment and performance, however with considerably less expense with the included peace of mind that you are purchasing a UK produced item. It is a method that is working, as acknowledgment of the Artech brandname continues to grow.”

Carl Gregg, item and procedure style professional at the SAM Project, stated: “It’s been a genuine enjoyment working with Stuart and the style group at Artech on this task.

“The SAM Project was set up to assistance the area’s SME makers innovate and grow by breaking down the barriers to welcoming brand-new innovation and to see Artech not just increasing its international existence, however likewise producing extremely experienced tasks in the area following this financial investment, reveals simply how much of an effect the program can have on those that engage with it.”

Source: [3D printer leaves producer beaming](#).