

UK's First Commercial M 280 Metal Additive Manufacturing Machine Installed

3T RPD has installed the UK's first EOSINT M 280 machine. This machine offers significant benefits to customers as it can produce bigger parts faster and in a wider range of metals, says the company.

The additional machine brings 3T's metal additive manufacturing machine count to four. This increased capacity creates more production opportunities for customers with increased responsiveness, flexibility and speed.

Speaking about the potential for the new machine Ian Halliday, CEO of 3T, said: "We have been receiving requests from aerospace OEMs and motorsport customers for lightweight structures in aluminium alloys. Installing the UK's first commercial M 280 will enable us to service those requests and also to develop a range of new alloys that will enhance the capabilities of AM in reducing carbon emissions."

3T has also announced that it has begun a collaborative research and development (CR&D) phase and is inviting customers to work with the company as it designs lightweight parts in alloys for the additive manufacturing process.

"By announcing this CR&D phase, we want to work closely with our customers, because we believe the closer the cooperation, the better the outcome. Indeed, by getting involved with our customers during the early design stages, we help them capitalise on the many benefits of the technology with the result that the finished part often exceeds their original design specifications," explained Halliday.

3T already produces high-performance, safety critical parts for F1, aerospace and medical uses, demonstrating the confidence in and the commercial potential of the technology.

Alongside the bigger build chamber, the most significant technical innovation on the M 280 is the inclusion of a 400 Watt laser. This more powerful laser results in a dramatically faster build time (it reportedly has the potential to better than halve build times). The high-specification laser also allows for even finer detailing in the design of a part.

Halliday explained some of the benefits: "The 400 Watt laser will allow us to respond to customers' urgent orders more rapidly. With an effective 60% increase in capacity we will also be better able to service customers who want to use metal AM for production and that will give engineers the confidence to design for the DMLS process knowing we have the capacity to supply."

3T RPD Ltd
www.3trpd.co.uk



A Year of Change for Mcor Technologies

freeDrevolution

To help create easier access to 3D printing technologies, Mcor will now provide its 3D printer free of charge. Users will then choose from three different print service plans that will enable them to print unlimited parts for the duration of their plan. The print payment plan will also have maintenance built in so there will be no additional costs to the user. The lowest annual payment is on the three-year plan and works out at £6,600 per year for unlimited printing.

The company reportedly aims to encourage more printing instead of restricting printing with this new model — printing greater volumes over the life of the contract decreases the cost-per-part.

New Office

The company has also recently moved to a new state-of-the-art facility in Dunleer, Co Louth. The new location will allow Mcor to extend its R&D department with a view to launching a line of new products within the next 6–12 months.

New Chairman: John Ryan

The co-founder of Macrovision (now Rovi) Tipperary native John Ryan has been appointed Chairman of Mcor Technologies.

Ryan's Silicon Valley-based company Rovi, of which he was CEO until 2001 and until recent years had been Chairman, is behind the secure distribution technologies for electronically delivered creative works, including film, music, text, images, software and video games.

Ryan, a former RTE technician, moved to Silicon Valley in 1974. Macrovision was formed in 1983 after Ryan invented a technology that has become the worldwide standard for copy protection of video programmes and this technology features in nearly every DVD player and set-top box around the world.

Rovi's customers include most major movie studios, record labels, software firms and the majority of Fortune 500 companies. In December, Macrovision agreed to buy Gemstar-TV Guide in a cash-and-stock deal worth about \$2.8 billion.

New Employees:

VP Americas, Mark Belinsky

Belinsky has joined Mcor as VP Americas — he will head up the company's US team based in its San Jose, California office.

Principal Scientist, Phil Keenan

Phil Keenan has also joined the Mcor team at its HQ in Dunleer, Co Louth. Phil is a former Lead Scientist with Hewlett Packard and will become an integral part of the Mcor R&D team.

Board Director, John Hartnett

John Hartnett has recently joined Mcor's board of directors. John is former Senior Vice President of Palm for sales and customer support for all channels, including retail, distribution, carrier, eCommerce and Palm's Retail Stores.

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