Sculpteo Unveils Metal Binder Jet Technology Using ExOne M-Flex 3D Printer

New metal 3D printing production process offers expanded design capabilities

PARIS and SAN FRANCISCO, June XX, 2017 – Sculpteo, the leading force in online 3D printing, today announced availability of industrial grade metal binder jet printing on the ExOne M-Flex platform. The M-Flex platform produces 420 stainless steel material that is infiltrated with bronze powder delivering a composite material that is 60% stainless steel and 40% bronze. Finished parts can be plated with Nickel and Gold. Metal Binder Jetting process is a fast and low cost metal 3D printing technique that is ideal for prototyping needs, ornamental and decorative objects or jewelry that require plating and polishing.

According to Sculpteo Deputy CEO, Marine Core-Baillais, "Metal binder jetting can create complicated and highly detailed design in a very short amount of time. The cost of the metal binder jetting technology is lower than traditional manufacturing technique and other metal 3D printing technology thanks to the mixed material of metal powders and binding agent. ExOne's M-Flex machine is an outstanding high capacity platform that enables product designers and engineers to build functional prototypes and production parts."

Key Characteristics of Sculpteo's Metal Binder Jet Offering:

- Binder jetting stainless steel offers outstanding results for 3D printed models, prototypes, finished objects with complex shapes.
- The ExOne M-Flex machine has a maximum build size of 736.6 X 381 X 361.95 mm for raw printing. Utilizing the plating option, the build sized is reduced to 177.8 x 177.8 x 177.8 mm and 152.4 x 152.4 x 152.4 mm if you choose the polished finish.
- Finishing options include: raw, sandblasted/unpolished; polished through mechanical polishing, which is smoother to touch with layers still visible on rounded objects.
- Plating options include nickel and gold plating.
- Approximate shipping time for binder jetting is 16 days. Plating in gold or nickel can extend the processing time by 2-3 days on average.

About ExOne

ExOne is a global provider of 3D printing machines and printed products, materials and other services to industrial customers. ExOne's business primarily consists of manufacturing and selling 3D printing machines and printing products to specification for its customers using its in-house 3D printing machines. ExOne offers pre-production collaboration and prints products for customers through its eight production service centers ("PSCs") located in the United States, Germany, Italy and Japan. www.exone.com

About Sculpteo

Sculpteo is an online 3D printing service based in San Francisco and Paris. The company offers on-demand 3D printing of individual products as well as short-run manufacturing through a user-friendly web interface. Sculpteo offers 45 materials, colors and finishes available, plus superior file analysis and repair. With factories in Europe and the United States, Sculpteo offers fast turnaround and worldwide delivery of advanced prototypes and short-run finished parts. Sculpteo was founded in 2009 by Eric Carreel and Clément Moreau. www.sculpteo.com

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