

PRESS RELEASE

Sculpteo Launches On-Demand HP Metal Jet Binder Service to create 3D-printed Metal Parts at Scale

The expansion of Sculpteo's portfolio of metal materials revolutionizes production of complex metal parts — from single prototypes to high-volume runs



Paris, France, 26.02.26 - [Sculpteo](https://www.sculpteo.com), a global leader in industrial on-demand 3D printing services, today unveiled the launch of HP Metal Jet technology for 3D-printed metal parts, offering customers across Europe and the USA fast, high-quality, and cost-competitive manufacturing at scale.

By leveraging **HP's cutting-edge binder jetting metal 3D printing system**, Sculpteo enhances its metal manufacturing offering, helping enable the production of complex, **high-performance metal components** for applications across automotive, aerospace, medical, industrial equipment and consumer products.

HP Metal Jet: Binder Jetting for Industrial Metal Parts

HP Metal Jet is an advanced **binder jetting metal 3D printing process** that combines high throughput, exceptional detail, and competitive economics versus traditional manufacturing and other metal additive technologies. The process works by spreading a layer of metal powder and selectively jetting a liquid binder to form a "green" part, building complex geometries layer by layer with no support structures required during this step. The green part

is then **debonded and sintered** in a furnace to achieve high density and mechanical properties suitable for final use.

The resulting parts deliver consistent material properties and support complex designs previously difficult or impossible with conventional techniques such as internal channels, lattice structures, and consolidated assemblies that reduce part count and weight.

HP Metal Jet Production Process

Sculpteo's HP Metal Jet service follows a streamlined workflow designed for flexibility and scalability:

1. **Digital Build & Jetting:** The build unit is loaded with metal powder and placed into the HP Metal Jet printer. HP's Thermal Inkjet printheads selectively deposit binder to create the green part layer by layer with high resolution and throughput.
2. **Debinding:** Once printing is complete, the green part undergoes debinding to remove a portion of the binder, preparing it for sintering.
3. **Sintering & Finalization:** The debound part is sintered in a controlled furnace to achieve final density and mechanical performance.

This efficient workflow supports one-off prototypes, low to mid-volume production, and large batches, empowering designers and engineers to iterate more quickly and produce real end-use components on demand. It also enables enhanced design flexibility by optimising performance and weight.

With this new service, Sculpteo continues its mission to remove barriers to advanced manufacturing using 3D printing, combining digital ease-of-use with industrial-grade performance.

Alexandre d'Orsetti, CEO of Sculpteo: "This service marks a new era for digital manufacturing. Our integration of HP Metal Jet technology means customers can now leverage production-grade metal additive manufacturing to produce bespoke prototypes through to hundreds or thousands of parts without upfront investment in hardware."

About Sculpteo

Sculpteo, a pioneer and specialist in digital manufacturing, offers an online 3D printing service. Sculpteo provides an online platform to securely upload 3D files and ¹select from over 75 materials and finishing options. Professional engineers and technicians produce parts using industrial 3D printing technologies before shipping them to businesses and individuals worldwide. Based in Paris and San Francisco, Sculpteo offers large-scale 3D printing and manufacturing for startups, SMEs, and design studios. Sculpteo offers its professional 3D printing service alongside its expert Design Studio to help companies integrate additive manufacturing into their development and production processes. Sculpteo ³

was founded in 2009 by Eric Carreel and Clément Moreau. Sculpteo was acquired by BASF New Business GmbH in November 2019.

For more information visit: www.sculpteo.com

Sculpteo press contacts

Jean-François Kitten - jfk@sculpteo.com - +33 (0)6 11 29 30 28 (FR)

Imogen Bailey – i.bailey@licencek.com - +33 (0)6 65 90 42 41 (ENG)

Jérémy Cariddi - j.cariddi@licencek.com - +33(0)7 66 39 75 99 (FR)