

Press Release Sculpteo
Paris, **October 04**, 2018

The world first 3D-Printed Helmet

Sculpteo Joins Kupol to launch the world's first 3D-printed bike helmet imbedding a revolutionary safety system. Thanks to the 3D printing specific process, Kupol acts as a new organic skin to offer unprecedented comfort and security.



Paris, **October 04**, 2018 – Sculpteo, leader in online 3D printing and digital manufacturing, partners with Kupol, specialist in bike helmet safety, to launch the first entirely 3D-printed bike helmet. The Kupol cycling helmet renews the helmet design and structure by layering features to follow movements naturally and absorb impact in case of impact from any angle, and to ensure a comfortable fit as well as breathability. Versatile, it can convert from an MTB type of helmet to an aerodynamic road helmet. It is now available in preorder on [Kickstarter](#).

In the 20+ years since bike helmets first hit the road, not much has changed in terms of safety and design: inflexible hard plastic shells, polystyrene foam interiors that overheat, standard protection features matching only head-on collisions with linear impact. The 3D-printed Kupol cycling helmet rethinks the traditional helmet by layering features to offer a better fit and more security. The technology is called the KOLLIDE SAFETY SYSTEM® and it is based on three soft, flexible and lightweight layers of materials, with an opened structure that creates a unique aeration network, ensuring a breathable protection.

- KINETIC BUMPERS®, under the shell, cushion the head in the event of a fall at low speeds

- An internal KORE® collapses on impact to take the brunt of the force at any angle
- Over 100 OKTOPUS® pods offer an ideal fit and protection against quick rotational movements, replacing the traditional polystyrene. These individual cushions adapt their geometry for an enhance comfort and eliminate any pressure points.



According to Gabriel Boutin, president of Kupol, *“It’s been over 20 years since bike helmets have undergone any sort of real change. People are still wearing the same outdated foam protection that was on the market a generation ago. No doubt, switching from standard foam to 3D printing was quite a leap, but it was far from impossible: we did it. Sculpteo’s 3D printing technology enabled us to achieve the degree of accuracy needed to rapidly create complex structures at a low price. Together, we’ve completely revolutionized how helmets are made.”*



Clément Moreau, CEO and co-founder of Sculpteo, adds, *“3D printing applied to sports and day to day life gives us the chance to explore new materials and complex structures that could not be developed with traditional technologies”.*

Technical Features

- Lightweight, flexible, breathable material
- Entirely 3D-printed structure using Sculpteo’s Multi Jet Fusion PA12
- OKTOPUS™ pods offer support and keep you cool
- KINETIC BUMPERS™ absorb impact
- 3D KORE™ collapses to take the brunt of the force
- Converts from an MTB type of helmet to an aerodynamic road helmet



Availability

The Kupol bike helmet is available in preorder on [Kickstarter](https://www.kickstarter.com/projects/kupol/kupol-bike-helmet) for \$155,00. It is available in 6 sizes and 7 colors.

About Kupol

Kupol is an innovative company created by industrial designer Gabriel Boutin in 2016. Widely known for his experience in bike helmets safety and fascinated by the potential of 3D printing, he created Kupol to revolutionize cycling helmets as we know it. Kupol is based in Québec, Canada.

For more information: www.kupol.ca

About Sculpteo

Sculpteo, pioneer and specialist of digital manufacturing, offers a service of online 3D printing, from 3D model transfer to the order of the object, and wants to make this technology easy and accessible to all. Based in San Francisco and Paris, Sculpteo offers on-demand 3D printing and manufacturing in large scale for start-ups, SMEs and design studios. The offer of Sculpteo resembles more than 100 combinations of materials with multiple colors and finishing options, as well as a technical analysis and superior repair of files. The Sculpteo factories use professional 3D printers and laser cutters with a very fast execution and a global delivery. Sculpteo was created in 2009 by Eric Carreel and Clément Moreau.

For more information: www.sculpteo.com

Press Contacts

Jean-François Kitten - jfk@sculpteo.com +33(0) 6 11 29 30 28 / +33(0)9 72 33 47 63

Ilinca Spita – i.spita@licencek.com +33(0)1 45 03 21 77

Badr Rar – b.rar@licencek.com +33(0)1 45 03 21 77