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Press review Pollen AM

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*"Industrial production is the last part of our society that has not been profoundly transformed by the digital revolution. This is possible today, so it is time to change the status quo. »,
Cédric Michel, co-founder.*

The French Pollen AM puts innovation at the heart of its 3D printer

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Few months ago, we were going to meet French manufacturers of 3D printers, a dynamic sector which is still seeking to impose itself on an ultra-competitive international scene. To stand out, the Parisian startup Pollen AM, which recently received the visit of the Secretary of State for Industry, decided to put innovation at the center of its product with a brand new 3D printer. 3Dnatives wanted to know more by going to meet its co-founder Cédric Michel.

3DN: Hello Cédric, can you introduce us to Pollen AM?

Pollen AM is a start-up which, after 5 years of research and development, has just developed a new generation of revolutionary 3D printer.

We @ been offering the first real technological breakthrough in the field of 3D printing in 15 years. Our printer will now make it possible to manufacture finished objects at very low cost, locally and on demand.



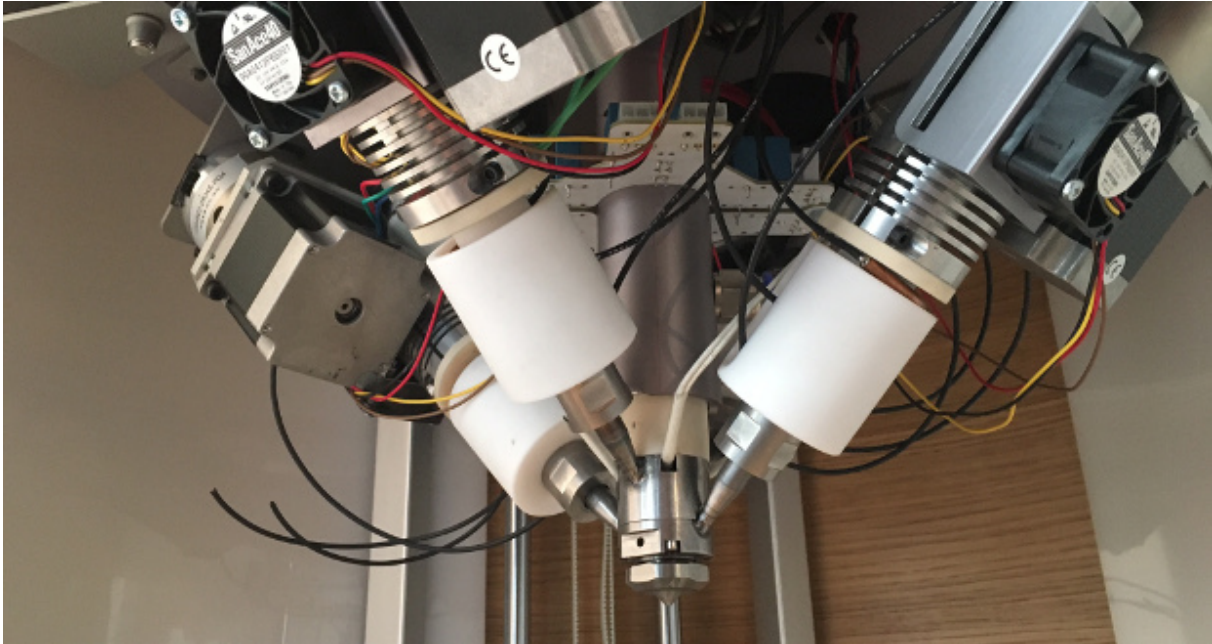
Cédric Michel (left) and Victor Roux in front of their Pam 3D printer

Indeed, the patented process of Pam, our printer, allows us to overcome the traditional pitfalls of additive manufacturing by proposing 3 major innovations:

- Our technology makes it possible for the first time to print objects by very simply mixing materials. All with the widest possible range of materials available on the market.
- No post-processing is necessary, the multi-material objects manufactured by Pam being ready for use as soon as the printing is finished. As a result the process is extremely fast.
- Finally, Pam enables production costs to be divided by 10, in particular through the use of materials in the form of granules.

Until then 3D printing was limited to prototyping, largely due to economic limitations. With Pam, 3D printing is entering the era of mass production of unique objects.

Imagine a pair of glasses made especially for you, unique shoes that fit the shape of your feet, really suitable interior furniture, or tools developed according to their users.



The Pam 3D printer required almost 5 years of R&D

Pam can receive up to 4 cartridges of different materials simultaneously to make parts made of a plurality of materials. The print head routes and operates the fusion of materials on 4 channels, which come together to form a reactor allowing the homogeneous mixing of materials.

3DN: How was the project born?

It is above all a story of friendship which has united for 25 years an astrophysicist with an artistic director, it is the common will to shake up the industrial and creative world, it is finally a vision, that of a world where 1 idea becomes concrete reality, where the engineer can be a sculptor, where each creation is thought in its own context.

It is also the observation that industrial production is the last section of our societies that has not been profoundly transformed by the digital revolution. This is possible today, so it is time to change the status quo.



Pollen's 3D printer uses plastic cartridges in the form of pellets.

3DN: Who is your product intended for?

Available from € 5,000, Pam is primarily intended for designers, entrepreneurs, artisans and creators who want to be able to produce innovative objects imagined by them without volume limit. It is a gigantic market, on which no other player is yet positioned today.

3DN: did you raise money? Are you planning to hire?

So far, we have funded research and development thanks to the benevolence of private and public investors, having obtained € 1.43M. Now in the industrialization phase, we are starting to meet funds to finance business development and support R&D. The first feedback is extremely positive. Therefore we are looking to expand our team with talents in electronics, software engineering, designers and salespeople. You can also find our job offers on 3Dnatives.



The Pam heating buildplate

What are your plans for the coming months?

For several months, we have met firms specializing in innovation and already have pre-orders. In a few weeks we will finally be able to reveal our machine to the public, and impatience is winning over us. We will also reveal our first collaborations with designers and creators and are now in the marketing phase.

A last word for our readers ?

We invite all designers, artisans and creators to contact us! We are entering a new era, where the possibilities are almost limitless. The only way to become fully aware of this opportunity is to come and discover all that Pam can offer you!

[More information on the Pollen AM website HERE](#)

Thank you Cédric for this interview and all our best wishes for a successful adventure!

