



## **Press review Pollen AM**

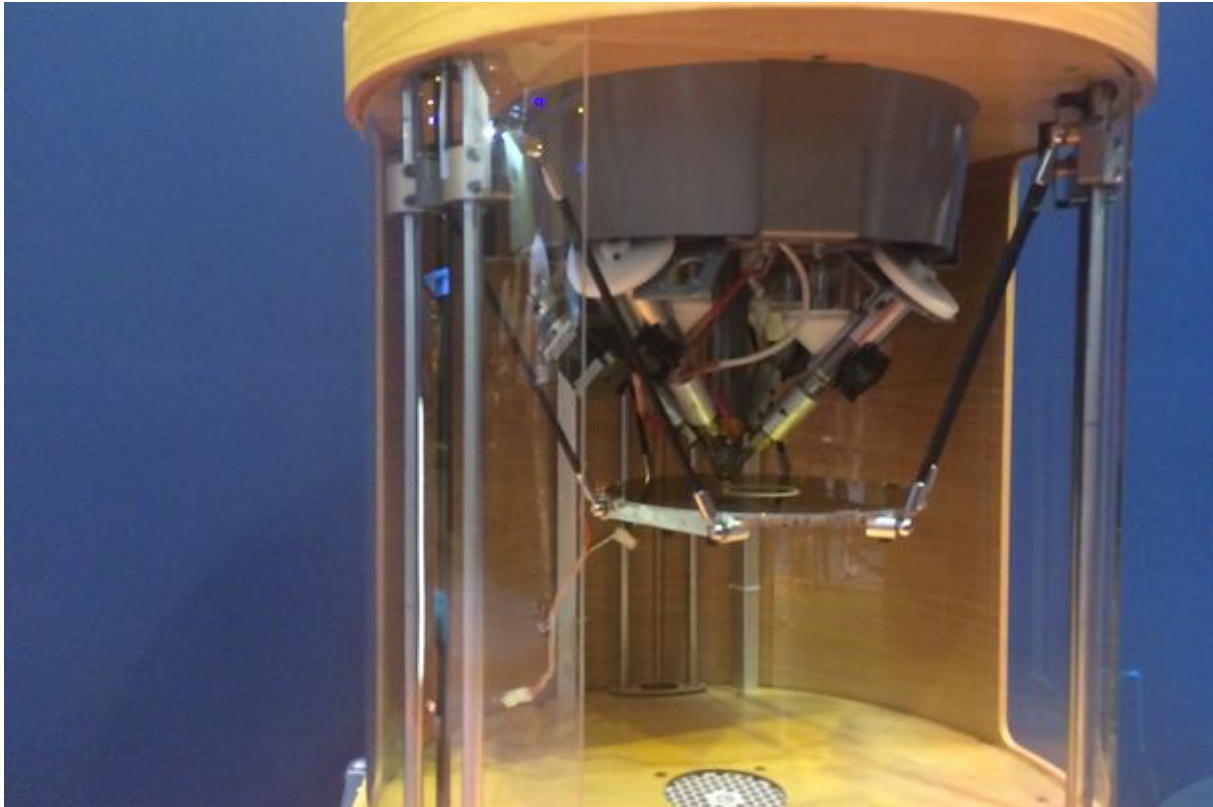
Support: Industrie & Technologies  
Publication date: December, 29<sup>th</sup> 2016

With MIM Like technology, no need for fine powder, printing is done from granules, explains  
Didier Fonta, Head of sales, Pollen AM

# Best innovations in 2016: the multi-material printer from Pollen AM

PUBLISHED DECEMBER 29<sup>TH</sup>, 2016

TRANSLATED FROM THE ORIGINAL VERSION, [HTTPS://WWW.INDUSTRIE-TECHNO.COM/ARTICLE/MEILLEURES-INNOVATIONS-2016-L-IMPRIMANTE-MULTIMATERIAUX-DE-POLLEN-AM.47397](https://www.industrie-techno.com/article/meilleures-innovations-2016-l-imprimante-multimateriaux-de-pollen-am.47397)



**At the end of this year, we invite you to come back to a series of innovations that marked 2016. The multi-material printers of the start-up Pollen AM, the fruit of five years of R&D, are part of it.**

Presented in July 2016 at Viva Technology, the technology of the start-up Pollen AM is one of the promising developments in 3D printing.

PAM can thus print a part comprising up to four different materials. Unlike other machines on the market, PAM works from granules of thermoplastics or microbeads of industrial grade, and not from filaments and powders, which allows the use of many materials. The use of granules also significantly reduces printing costs.

In detail, the printer is based on a proprietary extrusion process close to the FDM (Fused Depositing Modeling) process, which consists of depositing material additively. The company has created its own print head itself to be able to work with balls positioned in four different cartridges. The latter are sucked in via a supply and pressure channel. Induction technology

has been developed to heat the materials. Then the four canals meet in a central column where there are two rooms. The first allows you to mix two materials on the fly and the second to select them.