



Press review Pollen AM

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Pollen and PAM technology

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Pollen AM is a company specialized in the development and distribution of unique industrial additive manufacturing equipment on the market, the 3D Pam printers. Pollen AM will be present at 3D Print Paris on October 20 and 21, 2021. Visit us on booth B02.

Pellets and PAM technology

PAM (Pellet Additive Manufacturing) technology is truly open to materials and allows the use of universal materials: pellets.

This raw material format is the industry standard and has several advantages:

- diversity,
- high availability
- low cost,
- ease of storage and transport,
- etc.

The entire injection molding industry uses pellets materials for the production of final parts.

The use of pellets as a raw material allows access to the most complete industrial material catalog on the market. This makes the production of parts with mechanical properties comparable to injection molding. The entire range of injectable materials is available: standard

and performance thermoplastics, the entire range of hardness of elastomeric thermoplastics (from Shore 00 to Shore D), metal alloys and technical ceramics.

Certified materials that meet the standards of demanding industries are compatible with the Pam process. The printing of materials with specific properties is now accessible. Several certified materials are already validated, e.g. fire/smoke (FAR 25.853, UL-94 V0), medical grade (VDI 2017, ISO 10993-5), EMI/RFI shielding, food contact (RC-UE No 10/2011), toy safety (NF EN 71-3).

Pam 3D printers

Equipped with 2 to 4 independent and autonomous extruders, Pam 3D printers are able to combine different materials to give new properties to the parts produced. It is possible to combine flexible and rigid materials to locally functionalize the parts.

New multi-resolution parts can be created, for example, it is possible to choose on the same part to fill with a large diameter nozzle and to produce the contours with a smaller nozzle. This combination of resolutions will allow a very good compromise between production time and aesthetic quality of the printed parts.

Meeting a wide range of industrial and academic needs, Pam 3D printers are used, among others, for the production of good material prototypes, templates and tooling parts, in small and medium series.

The modular architecture of the Pam 3D printers has been designed to offer manufacturers the optimal configuration for their applications. Moreover, whatever the initial configuration, a Pam system is scalable in order to accompany its users over the long term through their demanding projects and by guaranteeing the compatibility of future developments for obsolescence always postponed.

Pollen AM will be present at the 3D Print Paris exhibition, on October 20 and 21, 2021, on stand B02.