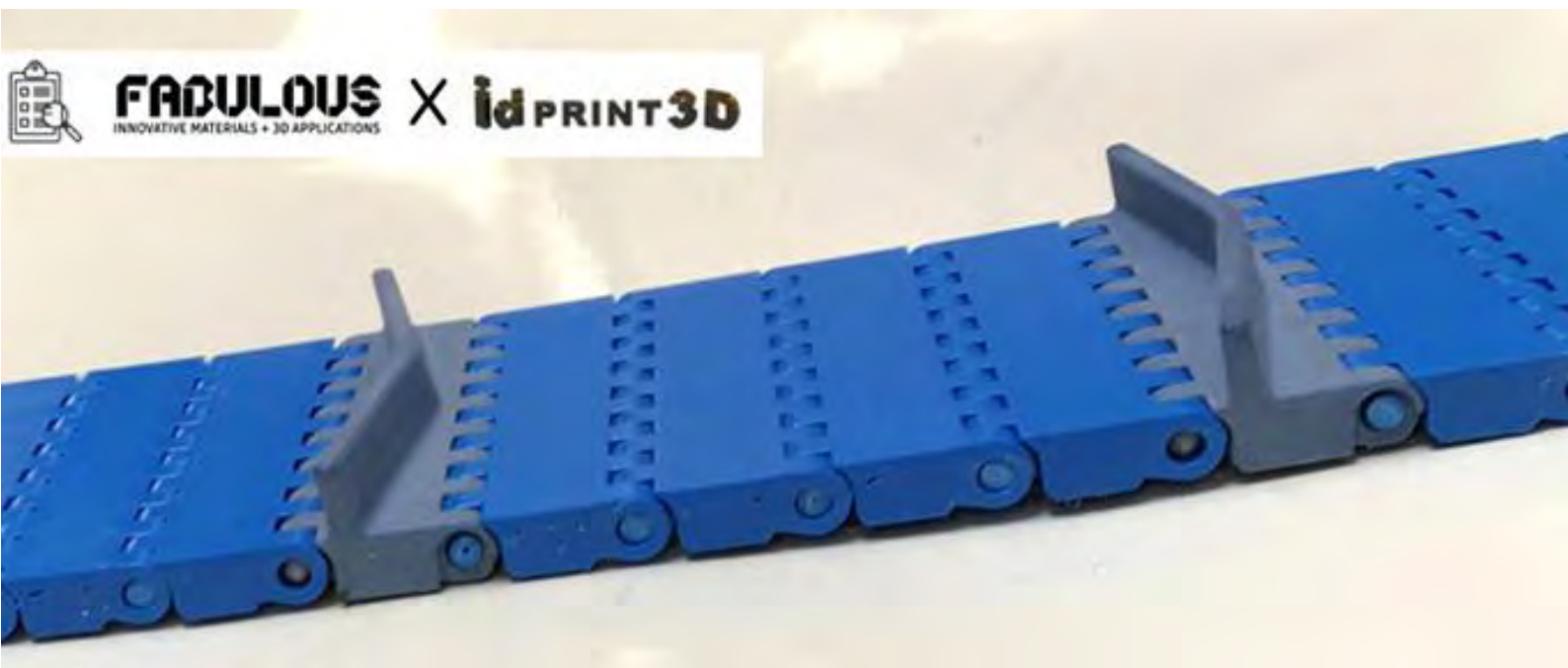




FARSOON AND FABULOUS STRENGTHEN COLLABORATION FOR PLASTIC PARTS IN FOOD AND DRINKING WATER APPLICATIONS



↓ Project Overview

- | | |
|---------------------|---|
| CHALLENGES | Potable water applications
French and European health standards (ACS)
Specialized materials |
| SOLUTION | BLUECARE and ACTIVE materials |
| KEY BENEFITS | Small series application
Customized batch production
High-standards properties |

Potable Water through Water Pump Strainers - Through Additive Manufacturing.

French company FABULOUS, specialized in powder materials for powder bed systems, has developed innovative materials with high certifications and properties. All FABULOUS' materials have been successfully tested on FARSOON systems, with early adopters service bureaux continuously using them (see case studies below). This collaboration will focus on the helping end-users with new materials specific to industrial applications, such as BLUECARE material specific for the Food industry, or ACTIVE material dedicated mainly to the Water industry.

↓ FABULOUS x FARSOON case studies

Based in bio-sourced PA11, BLUECARE material is mass blue and has been certified for Food Contact Application following the Commission Regulation (EU) No 10/2011 of 14 January 2011 on plastic materials and articles intended to come into contact with food and alcohol. IDPRINT 3D printing service, based in

France, FARSOON technology customer, is using BLUECARE powder to design 30 cm wide modular food conveyor belts. A success according to Mr. Panchot, manager of IDPRINT 3D, who believes that the material is perfectly adapted to his needs: ***"BLUECARE is the ideal material for additive manufacturing of parts for food conveyors, avoiding the manufacture of a mold that is too expensive for the number of parts to be made."***

ACTIVE is a new material specific to the Water industry: it has been certified (ACS certification) for potable water applications and plastic parts in contact with drinkable water, such as water pumps, hydraulic systems, data sensors, and all permanent water-immersed parts. ACTIVE, thanks to its composite formulation, has very high-standards properties (especially High-T° and low-T° resistances). The "Accréditation de Conformité Sanitaire (ACS)" is a French & European health standard organisation concerning drinkable water. Equivalent standard in North America is NSF-ANSI 61 certification.

FABULOUS x **RICOH**
INNOVATIVE MATERIALS + 3D APPLICATIONS imagine. change.



WATER PUMP STRAINER





↓ **Special masterbatch offer dedicated to Farsoon customers**

Additive Manufacturing is increasingly used for small series application, where it needs part properties and certificates specific to the targeted use. For orders > 600 kgs, FABULOUS offers to develop a dedicated batch with end users own formulation. A new offer that meets the needs of application end-users.

↓ **About Farsoon**

FARSOON Technologies, founded in 2009 in China, is a system supplier of industrial grade plastic laser sintering and metal laser melting systems. Farsoon has developed a team of world-class experts with competencies in electrical/mechanical engineering, laser, scanning and optics, thermal controls, as well as material development and applications engineering. As a globally diverse company, Farsoon was founded with the clear vision and core commitment to creating open platform systems which will give the industry the freedom to innovate and expand the implementation of additive manufacturing in the global product's marketplace. Learning from the market about customer needs, Farsoon has moved to address the need for higher levels of productivity, improved feature details, and enhanced operational efficiency and flexibility. Farsoon's latest innovations like the Continuous Additive Manufacturing Solutions (CAMS) and the very accurate and ultra-fast Flight™ Technology stand for highest production rates and real industrial use of Additive Manufacturing. Farsoon's subsidiary FARSOON Europe GmbH (Stuttgart, Germany) provide the whole range of machine portfolio as well as local service and maintenance activities.

FABULOUS materials for powders systems

 <small>INNOVATIVE MATERIALS + 3D APPLICATIONS</small> Innovative materials with high-level standards & certifications <i>(discount possible on quantity)</i> Dedicated batch, your own formulation (for order ≥ 600 kgs)	 CARE PA 11 <small>Technical Data Sheet</small>	 DARK PA 11 Black <small>Technical Data Sheet</small>
	 BLUECARE PA 11 Blue <small>Technical Data Sheet</small>	 ACTIVE PA 11 GB <small>Technical Data Sheet</small>
	 FLEX TPU 65-85A <small>Technical Data Sheet</small>	 VALUE PA 12 GB <small>Technical Data Sheet</small>

↓ **About FABULOUS**

FABULOUS, expert company in polymeric 3D printing materials, brings innovation to a market now focused on production. FABULOUS is a French company, strongly positioned on European market with very innovative and unique offers. Fabulous also intend to develop some very good International business. We are revolutionizing the 3D printing industry with materials that meet the application needs of end users. <https://fabulous.com.co/en/>

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↓ Farsoon's Plastic Laser PBF Systems

▼ HT1001P

▼ 403P Series

▼ FLIGHT 403P Series

▼ FLIGHT 252P Series

▼ 252P Series

▼ eForm



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