Prodways launches a new thermoplastic polyurethane material (TPU) for its laser sintering range

While attending the International AMUG conference as a platinum sponsor from April 3 to 7 in St Louis, USA, Prodways, a Groupe Gorgé subsidiary, is announcing the launch of a new thermoplastic polyurethane material (TPU), which will join its range of powders available for use with laser sintering technology.

This new TPU-70A powder is an elastomer-type material destined for the laser sintering printing of flexible rubber-type objects for a wide variety of applications, including bellows, seals, flexible hoses, sports shoe soles and luxury accessories.

This new thermoplastic polyurethane material (TPU) stands out for its excellent elongation at break capacity (over 300%), allowing the printing of ultra-flexible objects with very high levels of precision and resolution. It also benefits from high resistance to chemical products as well as high performance for refresh rate, thus optimizing material consumption. Lastly, and in contrast with market standards, this new thermoplastic polyurethane material (TPU) offers high durability, without the need for infiltration processes.

With this launch, Prodways, a Groupe Gorgé subsidiary, confirms its desire to offer a very wide range of laser sintering materials for its own printers and also for all laser sintering printers on the market, thus allowing its customers to develop new applications.

This complete powder range for laser sintering technology is distinguished by its very fine granulometry for very high resolution parts and very high refresh rate.
levels, thus reducing consumption by up to 40% compared to the other powders on the market, for better optimization of production costs.

During the international AMUG conference, Prodways will also present for the first time in the United States its recent "Prodways powered by Farsoon" ProMaker series P range of laser sintering printers, offering high thermal stability with optimized mechanical properties, combined with a fully digital, ultra-fast and very high precision laser scanner. In addition, Prodways offers a wide portfolio of materials and has adopted an open materials strategy for this range with the aim of facilitating innovation for its customers.

This launch, along with the recent announcement of the sale of the first six laser sintering machines, constitute the first successes for Prodways in laser sintering technology, and confirm its rise towards the position of third-largest global player with a multi-technology offer.

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About Prodways

Prodways, a subsidiary of Groupe Gorgé, assists major industrial firms with innovations and production processes by providing high-end solutions for additive manufacturing. Prodway’s strategic positioning is to combine the necessary technological solutions with the capacity to provide services and support necessary to help companies develop and meet industrial challenges by:

- providing a top-quality, state-of-the-art industrial solution
- providing a complete range of technologies to meet their needs in terms of productivity and reliability
- developing materials suited to industrial constraints (mechanical properties, biocompatibility, flammability etc.)
- proposing product design and engineering and consulting on production technologies and processes
- qualifying business processes beforehand by creating test parts and process simulations
- proposing manufacturing solutions for back-up and peak reduction
- investing in innovative players in the 3D ecosystem.

Prodways is now one of the few players able to overcome all industrial challenges and boost the emergence of additive manufacturing in series production. Prodways’ offer is backed up by additional activities that enable it to position itself as a serious rival to the two global market leaders and also
become the only company outside the USA to offer clients a wide range of 3D printing technologies and a complete range of 3D printing services.

For further information: [www.prodways.com](http://www.prodways.com)

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