



Smart Safety Systems

Protection in Nuclear Environments

Industrial Projects and Services

3D Printing

#### About Groupe Gorgé

Established in 1990, Group Gorgé is an industrial group operating in different areas of expertise:

**Smart Safety Systems** – Using technology to work in risk environments;

**Protection in Nuclear Environments** – Protecting people and securing buildings operating with radioactive materials;

**Industrial Projects & Services**  
Conducting Robotics and Fire protection systems projects for industry and service-sector player;

**3D Printing** – Enabling major industry players to find new routes to successful innovation and production processes by providing systems, 3D printers and new premium material.

In 2014, the Group reported revenue of €223.3 million. It is backed by 1,370 employees and operations in over ten countries.

**More information available on [www.groupe-gorge.com](http://www.groupe-gorge.com)**

Group Gorgé is listed on Euronext Paris and on the US OTC market in the form of ADR.

NYSE Euronext Paris:  
Compartment B.  
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## 3D Printing: Prodways launches a new range of industrial 3D printers

Just ahead of the FormNext trade show held in Frankfurt from November 17 to 20 (a major event in the field of additive manufacturing), Prodways, a subsidiary of Groupe Gorgé, is launching its new range of industrial printers. This selective laser sintering technology uses a high-power laser to merge successive layers of plastics and metals. At the FormNext trade show, Prodways will present its first range dedicated to the most widespread plastics used in 3D printing.

- **ProMaker P series: a range of selective laser sintering printers working with premium powders**

The launch of this completely new range of ProMaker P series laser sintering printers follows the announcement at end-September of the signature of an R&D partnership agreement with Hunan Farsoon Tech Ltd, and provides a true alternative to the current offers on the market.

The launch of this comprehensive range of "Prodways powered by Farsoon" ProMaker P series printers was achieved through the combined expertise of the R&D teams of Prodways, Norge and Farsoon in the area of selective laser sintering. The "Prodways powered by Farsoon" range stands out from current standards for its high thermal stability offering optimized mechanical properties, combined with a

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fully digital, ultra-fast and highly accurate laser scanning system. The integration of these recent technological advances enables Prodways to offer a comprehensive range of solutions guaranteeing high productivity combined with the best levels of precision and quality.

Accordingly, the range of "Prodways powered by Farsoon" ProMaker P series printers, whose price will be between 200.000€ and 450.000€, is available in two families:

### **ProMaker P2000 series**

The range of ProMaker P2000 series printers provides top industrial performance in a compact format and offers a high-temperature version enabling printing with high-performance materials at temperatures of up to 220°C, thereby opening up the possibility of new industrial applications.



**PROMAKER P2000 SD**



**PROMAKER P2000 HT**

### **ProMaker P4000 series**

The range of ProMaker P4000 series printers offers exclusive industrial production capacity with wide platforms and high productivity to print high-precision parts. A ProMaker P4000 will be shown on FormNext's booth.



**PROMAKER P4000 SD**



**PROMAKER P4000 HS**



**PROMAKER P4000 X**

The market for this technology is comparable in size to that of photosensitive liquid resins, in which Prodways already operates. This new range enables Prodways to cover the majority of plastic industrial applications for 3D printing. This coverage will be supplemented by metal machines in 2016.

- **A full range of premium powders**

Concurrent with the launch of this new range of printers, Prodways is launching a first range of PA12 powders for laser sintering, developed in partnership with Hunan Farsoon. These powders offer high-performance mechanical properties for the most demanding applications.

The range comprises four versions:

- PA12-S 1300 – PA12 type nylon powder ideal for printing complex parts, in particular those used in the aerospace and automotive industries
- PA12-GF 2500 – PA12 type powder, fiberglass-reinforced for parts requiring more rigidity and better resistance to high temperatures
- PA12-CF 6500 – PA12 type powder, carbon-reinforced for greater resistance
- PA12-MF 6150 – PA12 type powder, reinforced with mineral fibers for smooth surfaces and high resistance to heat distortion

In addition, across the entire ProMaker P Series printer range, Prodways offers a platform strategy open to all materials. This strategy aims to facilitate and speed up innovation, and to develop new materials with high-performance mechanical properties. It can provide genuine added value to industrial customers and research institutes.

These announcements mark another step forward in the strategy which has been expressed by the group to become the world's third largest company offering a multi-technological range.

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