



About Groupe Gorgé

Groupe Gorgé is an independent group that specializes in high-tech industries. Today, the Group is active in the fields of security and protection in extreme environments, as well as in the 3D printing sector. It employs around 1,700 people, is located in eight countries and directly exports around 40% of its activity. In its more than twenty-five year history, Groupe Gorgé has always developed and driven the latest technological and industrial innovations.

Smart Safety Systems:

Developing complete, innovative technological solutions for complex missions in hostile and confined environments.

Protection of High-Risk Installations:

Protecting people and ensuring the active and passive protection of installations for energy markets and industrial and tertiary sectors in France. Ensuring the maintenance of these protection systems.

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 2016, the Group reported revenue of €281.2 million. It is backed by 1,800 employees and operations in over ten countries.

More information available on www.groupe-gorge.com

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

Euronext Paris:
Compartment B.
ISIN code: FR0000062671
Ticker code: GOE

US OTC market:
CUSIP NUMBER: 399451 103
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Ticker Code: GGRGY / GGRGF

Prodways, a subsidiary of Groupe Gorgé, presents its next generation of 3D printers at the International Dental Show (IDS)

At the world's biggest international dental trade fair – IDS – taking place in Cologne, Germany from 21 to 25 March, Prodways (a subsidiary of Groupe Gorgé) will present a preview of its next generation of 3D printers dedicated to the dental industry, the ProMaker LD series range, at stand L029 in Hall 4.2.

The development of this new generation of 3D printers builds on the success of Prodways' exclusive MOVINGLight® technology, which has convinced the leading dental industry players (manufacturers of dental aligners, major laboratories and dental production centres) through its unique blend of precision and productivity on large manufacturing platforms. This new ProMaker LD series range confirms Prodways' drive to offer the professional performance of MOVINGLight® technology in a more compact, multi-functional format at an affordable price, in order to meet the needs of dental laboratories initiating their transition to a digital stream.

This next generation of ProMaker LD series 3D printers retains the strengths of the current MOVINGLight® range, combining a native resolution of 42µm per pixel and very high dimensional precision on all 3 axes, along with high productivity through its moving DLP®, making it possible to print up to 38 dental arches per hour* at an optimal unit cost.

In order to adapt to a dental market in constant search for versatility and flexibility, this next generation of 3D printers – the ProMaker LD series – will offer a compact design, taking up less than

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0.8 m² of floor space, with interchangeable production platforms of several sizes ranging from 165 x 150 mm to 450 x 445 mm*, in order to fit into all environments. This choice of platforms meets the need to adapt to different production volumes, which may vary according to applications or over time, and makes it possible to optimise production times for small or medium-size runs.

The new ProMaker LD series range will also offer vats of various heights to reduce the amount of resin required for each application, with changes of vats and printing medium taking only a few minutes. Furthermore, it will feature a new user-friendly software interface, making it quick and easy to learn how to operate, as well as a built-in touch screen to control the production process.

The next generation of ProMaker LD series 3D printers will come in 3 versions:

	ProMaker LD-10	ProMaker LD-20	ProMaker LD-45
Dimensions:	750 x 1080 x 1780 mm	750 x 1080 x 1780 mm	900 x 1080 x 1780 mm
Platform:	up to 300 x 445 x 200 mm	up to 300 x 445 x 200 mm	up to 450 x 445 x 200 mm
Native resolution:	42 µm	42 µm	42 µm
Layer thickness:	25 – 150 µm	25 – 150 µm	25 – 150 µm
Production volume***:	Up to 20 arches per hour	Up to 30 arches per hour	Up to 38 arches per hour
Interchangeable platforms:	4 sizes - 166 x 150 / 300 x 240 / 300 x 445 / 450 x 445(*) mm		
Interchangeable vats:	3 heights - 50 / 100 / 200 mm		

This new range will be available with Prodways Materials' high-performance resins, meeting dental industry standards, including:

- Resins for dental models intended for repair work (crowns, bridges, etc.)
- Resins for dental models used in thermoforming (dental aligners, retainers, etc.)
- Burnout resins for stellite casting or fixed crowns (metal or ceramic)
- CE certified resins for implant guides

The ProMaker LD-10 – the first model in the LD series – will be unveiled in a world premiere at the IDS and will be available at the end of the year at a price below €100.000, exclusive of VAT**.

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This new generation of printers (ProMaker LD 10 and ProMaker P 1000) more accessible will allow Prodways to address a market two to three times higher than the market currently addressed by machines sold at more than €200.000.

The presentation of the next-generation ProMaker LD series confirms Prodways' strategy of offering new technologies and materials to support the transition to the all-digital production stream expected by the dental industry, with high-performance, versatile, compact and upgradable printers.

*on the ProMaker LD-45

**Retail price of ProMaker LD-10

***variable depending on the size and shape of the parts, as well as working conditions and materials used

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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. Prodways' 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

Follow us and be aware of Prodways' latest news on Twitter!

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