

ALIGNERS AND 3D PRINTING

“ CHOOSING THE RIGHT
3D PRINTER FOR DENTAL
APPLICATIONS

PRODWAYS
TECH

WWW.PRODWAYS.COM

“ 3D PRINTER SELECTION CRITERIA

6 REASONS TO CHOOSE PRODWAYS

1 MASTERED AND PROVEN SKILLS
Since 1990, Prodways has been one of the world's leading specialists in 3D printing, a manufacturing method that the company has applied in several industrial fields, with proven technologies used by prestigious customers. In the dental field, Prodways operates in several market segments such as models for crowns and bridges, stellite master models for lost wax casting, fixed resin crowns for metal and pressed ceramic casting, surgical guides, individual impression trays, and, of course, dental models for the thermoforming of aligners.

In the same way as in the dental field, Prodways masters the whole range of additive manufacturing methods which are adapted and applied in many industrial fields such as automotive, aeronautics, jewelry or architecture. An undeniable worldwide leader in additive manufacturing, Prodways Group is part of Groupe Gorgé, which provides not only a long-term economic base but also direct access to a vast portfolio of technologies, including robotics.

Thanks to this proximity, Prodways has designed and launched its first robotic 3D printing workshop applied to dentistry by combining its machines, robotics, the automation of its parent company, and the contribution of a leading digital player to offer an integrated and robotic turnkey manufacturing solution for orthodontic trays. The technological and industrial organization in which Prodways is integrated is a certain guarantee of competence, reliability and long-term partnership for its clients.

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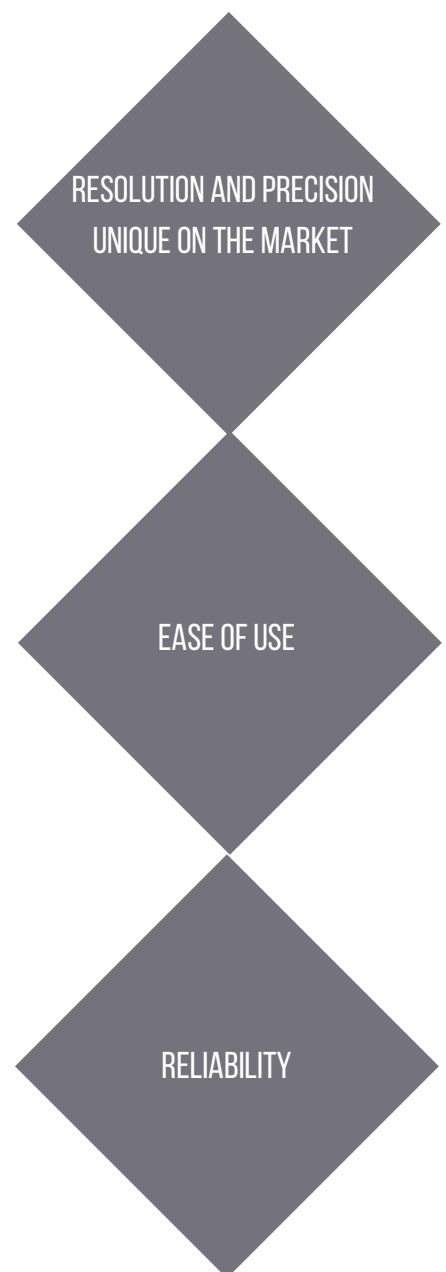
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2 MACHINE TECHNOLOGY AND MATERIAL PERFORMANCE

Another criterion to consider when making a selection is the technology specific to Prodways MovingLight printers. Based on a combination of moving DLP imagers, powerful UV-A-emitting LEDs, and specially developed light-sensitive polymer resins, the L and LD Series printers produce impressions with a resolution and accuracy unmatched on the market. This level of performance is an undeniable competitive advantage in terms of quality and profitability, especially in the dental field, and validates the choice of machine and material design based on the targeted application areas.

3 MACHINE EASE OF USE

The ease of use of MovingLight machines, which are pre-programmed for all manufacturing phases, is another distinctive key advantage. These printers operate without any handling other than the loading/unloading of the production tray at the beginning and end of the cycle. Similarly, there are no consumables to be changed, the machines only need to be supplied with the compatible material used for additive manufacturing. Reliability is also a priority, and downtime is limited to machine maintenance only.



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- 4 A COHERENT AND CONTROLLED ECOSYSTEM**

The integration of Prodways printers into consistent ecosystems initiated and finalized upstream by long-term industrial partnership agreements, whose various components are assembled in plug-and-play mode, results in homogeneous, efficient, and perfectly controlled production lines. Assistance in the design of the production tool, operator training, and preventive maintenance of equipment on site are also essential support functions provided by Prodways to its customers to ensure that they receive the results and productivity they have every right to expect from their investments.
- 5 CONTINUOUS INNOVATION**

Finally, the size of the R&D effort (more than 6% of revenues) undertaken by Prodways not only allows the company to stay one step ahead of the competition, it also gives customers the assurance that they do not have a tool that will quickly become obsolete but is, on the contrary, constantly at the cutting edge of innovation.
- 6 A STABLE AND SUSTAINABLE PLAYER**

In a dynamic and changing competitive environment, Prodways remains a benchmark company, solid and with promising future technological developments that keep customers reassured and loyal.





THANK YOU

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