


# ALIGNERS AND 3D PRINTING

A hand is holding a clear, 3D printed dental aligner over a dental model. The aligner is transparent and shows the teeth it is designed to fit. The dental model is a red and white plastic representation of a human jaw with teeth. The background is dark and out of focus.

“ SUPPORT FOR DENTAL  
LABORATORIES INVESTING IN AN  
ADDITIVE MANUFACTURING SOLUTION

**PRODWAYS**  
TECH

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# “ HOW TO MEET THE CHALLENGE

## EDUCATIONAL SUPPORT FOR DENTAL LABORATORIES

In recent years, dental practices have been revolutionized with the introduction of new techniques such as the use of 3D scanning or the additive manufacturing of prostheses, either on-site or in the laboratory. Traditional production processes that are too time-consuming and costly, and sometimes lack precision, have been supplemented and sometimes even replaced by digitalized tools that improve manufacturing processes by introducing computer assistance, automation, repeatability, etc.

**Easier and faster methods for dental technicians bring considerable benefits in terms of time and profitability.**

Prodways implements a strategy of education and support to help overcome the obstacles and objections that dental laboratories encounter in their decision to invest in an additive manufacturing process. This educational and technical support must also support customers, who place orders, and dentists and orthodontists, to whom it is necessary to explain all the advantages of the new methods and solutions that must be implemented to meet these challenges.

To that end, Prodways offers its prospective customers the opportunity to develop personalized training and change management programs that involve not only management but also technicians, who must have a voice through direct participation in the process of selecting the right printer to receive their full support.

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## IMPORTANT BENEFITS FOR ALL PLAYERS AND FOR THE PATIENT

For their part, orthodontists and dentists must be persuaded to work with laboratories equipped with the latest technology. As a result, they are better able to respond positively to their demands for quality and speed and fully satisfy their patients. To achieve this, Prodways deploys appropriate support in terms of technical communication, support for change, and training so that practitioners can integrate new practices and new resources. This in turn allows them to explain the method used and reassure patients by demonstrating all the benefits.

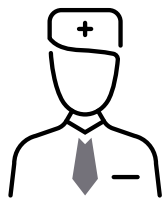
The vast majority of practitioners are already convinced that they have no other choice than additive manufacturing to produce high quality aligners in record time. Where more effort is needed to convince them is in the expansion of the use of digital and digital tools around 3D printing. Working in a fully digitized environment means increasing the advantages, reducing delays and eliminating distances to, for example, design a device from anywhere and have it validated remotely by the dentist.



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## WHY EMBRACE 3D PRINTING

Finally, the objective reasons in favor of the adoption of dental 3D printing, for the additive manufacturing of prostheses, including aligners, and more widely of implants, may be summarized in six fundamental points:



**For dentists and orthodontists:**

**1**

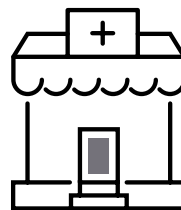
manufacturing times are faster with digital processes and even simplified,

**2**

digital methods and additive manufacturing processes improve product accuracy and reliability,

**3**

these same methods and processes facilitate the reproducibility of parts with the highest possible accuracy.



**For dental laboratories and dental technician's workshops:**

**4**

production capacities are increased and product delivery times improved,

**5**

precision and quality constraints are always respected,

**6**

take advantage of a full digitized workflow and simplify the medical certification process.



THANK YOU

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