WELCOME TO

DIGITAL DENTISTRY.

3D Printer for prosthodontists and dentists.

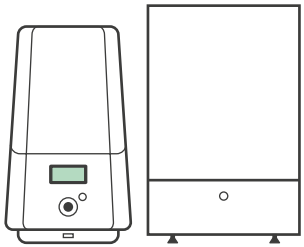
ENTER THE DIGITAL AGE

Digital dentistry and 3D printing are transforming the dental industry, changing the workflow and improving the performances of prosthodontists and dentists.

DWS aims to reduce development times of the production ensuring the best quality in terms of precision and resolution, giving a new experience to professionals during the production of digital models, orthodontic applications and prostheses.

PROFESSIONAL MATERIALS FOR THE DENTAL SECTOR

Thanks to in-house produced materials and the long experience in the world of professional 3D printers, the resins developed for the dental sector are precise, accurate and ideal for orthodontic applications such as digital models, surgical guides, models for thermoformed aligners and for the production of crowns, bridges, prostheses and dental inlays.



XFAB®

A new generation of XFAB for small and medium businesses.

XFAB series
1000 / 2000
2500SD / 2500PD

Specific Applications
XFAB 1000: Models for direct casting.
XFAB 2000 / 2500SD / 2500PD: orthodontic applications, arches for thermoformed aligners, dental models, biocompatibile surgical guides, medical imaging.

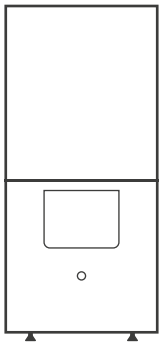
XFAB 1000 is a desktop 3D printer delivering remarkable results for dental applications such as crowns and bridges. Thanks to an intuitive interface and an easy to use control panel, XFAB 1000 finds its place in small laboratories and is the optimal solution to do the first steps in 3D printing or to manage low volume batches.

XFAB 2000 is the innovative desktop 3D printer equipped with the same technology used in DWS' professional ones, included TTT System and laser BluEdge®. It is the ideal 3D printer for orthodontists who need to produce orthodontic models in short time.

XFAB 2500SD and **XFAB 2500PD** are provided with the professional version of Nauta® software and the manual settings for customized parameters of DWS materials, a perfect multipurpose tool for professional applications. The 2500PD model has also an higher resolution.

Model	Technology	User	Building Envelope	Speed	Available Materials	Printer Dimension	Layer Thickness
XFAB 1000	DLP	Small dental labs	64 x 40 x 120 mm	Good	1 material for direct casting + 3 materials for jewellery and design	290 x 350 x 424 mm	25-50-100 µ
XFAB 2000	SLA	Dental labs, also included in practitioner clinics	ø 180 x 180 mm	Better	5 dental materials + 7 materials for jewellery and design	400 x 606 x 642 mm	10-100 µ*
XFAB 2500SD	SLA	Small and medium size dental labs	ø 180 x 180 mm	Better	5 dental materials + 7 materials for jewellery and design	400 x 606 x 642 mm	10-100 µ*
XFAB 2500PD	SLA	Small and medium size dental labs, practitioner clinics included	ø 180 x 180 mm	Better	5 dental materials + 7 materials for jewellery and design	400 x 606 x 642 mm	10-100 µ*

* 10-100 µ is the mechanical resolution, the value depends on the material used. Consult www.dwssystems.com for the updated information on the slicing value.



XFAB®

High precision for high productivity.

XFAB series
3500PD

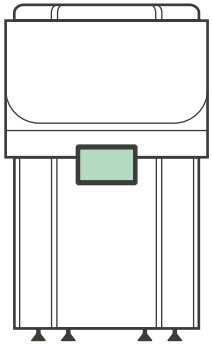
Specific Applications
Orthodontic applications, arches for thermoformed aligners, dental models, biocompatibile surgical guides, medical imaging, models for direct casting, models for dies, partial frameworks, crowns, bridges, temporary restorations, models for implant analogs.

XFAB 3500PD is addressed to dental labs demanding high productivity with a precision and resolution able to cover nearly all the dental applications. High printing performances combined to the dimensions of the platform deliver a productivity uncommon for this kind of applications and consistent results. The range of DWS materials in this application is fully exploitable by 3500PD high-end printer.

Software and materials are designed, developed, and produced in-house by DWS, to guarantee the quality of the finished product and the optimal physical-mechanical performances.

Model	Technology	User	Building Envelope	Speed	Available Materials	Printer Dimension	Layer Thickness
XFAB 3500PD	SLA	Medium and large dental labs demanding full range of applications	160 x 160 x 180 mm (chamfered corner platform with automatic zero setting)	Best	Full professional range of dental materials and Temporis®	400 x 606 x 942 mm	10-100 µ*

* 10-100 µ is the mechanical resolution, the value depends on the material used. Consult www.dwssystems.com for the updated information on the slicing value.



XCELL®

The true ready parts maker.

XCELL series
6000PD

Specific Applications
Orthodontic applications, arches for thermoformed aligners, dental models, biocompatibile surgical guides, medical imaging, models for direct casting, models for dies, partial frameworks, crowns, bridges, temporary restorations, models for implant analogs.

The new **XCELL** 3D printer is a groundbreaking concept: the first ever built-in work cell, all in one solution from the 3D file to the ready to use parts. Three drivers are the core engine of XCELL: the well known printing quality of DWS, the outstanding speed to reach the finished part, the revolutionary simplification of all the process.
XCELL gives a new experience in 3D printing: once the file is imported no other operations are required to obtain the printed object which comes out already washed and UV cured without any other intervention.

XCELL uses **XPOD**, a new concept of smart cartridge with advanced material management. The user inserts XPOD inside the printer, and when the job is completed the material not used returns automatically inside the cartridge before the extraction. XPOD is a clean and ready to use solution, speeds up the whole process, saving time for other activities.

Model	Technology	User	Building Envelope	Speed	Available Materials**	Printer Dimension	Layer Thickness
XCELL 6000PD	SLA	Large dental labs, also included in practitioner clinics demanding premium quality	200 x 150 x 200 mm	Best	Full professional range of materials for dental applications	ø 900 x 1400 mm	10-100 µ*

* 10-100 µ is the mechanical resolution, the value depends on the material used. Consult www.dwssystems.com for the updated information on the slicing value.
**Full list of materials available on dwssystems.com (some materials might not be available for the product launch).

DWS srl
Via della Meccanica, 21
36016 Thiene (VI) - Italy
T +39 0445 810810
info@dwssystems.com

DWS was established in Vicenza (Italy) in 2007 from lengthy consolidated experience in creating systems for 3D printing, development of software and material for use. The company develops hi-tech solutions for prototyping and for fast production, ultimately aimed at reducing new product development times and consequently decreasing the time to market.
DWS's goal is to innovate processes to help companies, offices and laboratories enter the digital world and be competitive on the market.

MADE IN ITALY

www.dwssystems.com