


Redefining **Dental** **3D Production!**



DentaFab



R&D Center for Resin and 3D Printers

WHO WE ARE?

R&D Center for Resin and 3D Printers

Founded in 2013, our company specializes in manufacturing of photopolymer dental resins for 3d printers. Our R&D center in Istanbul combines know-how of biomedical dental materials with 3d printer technologies. Furthermore, we have developed excellent castable resin with 100% ash-free burnout for dental and jewelry industry.

High-End 3D Printers

Our 3D printers are specifically developed for dental and jewelry professionals in order to achieve the highest accuracy and precision.

Global Reach

Our resins and 3d printers are used in over 20 countries. We are pleased to service customers globally with our sales offices in Istanbul and Dubai as well as our global reseller network. You may also directly purchase from our website powerresins.com



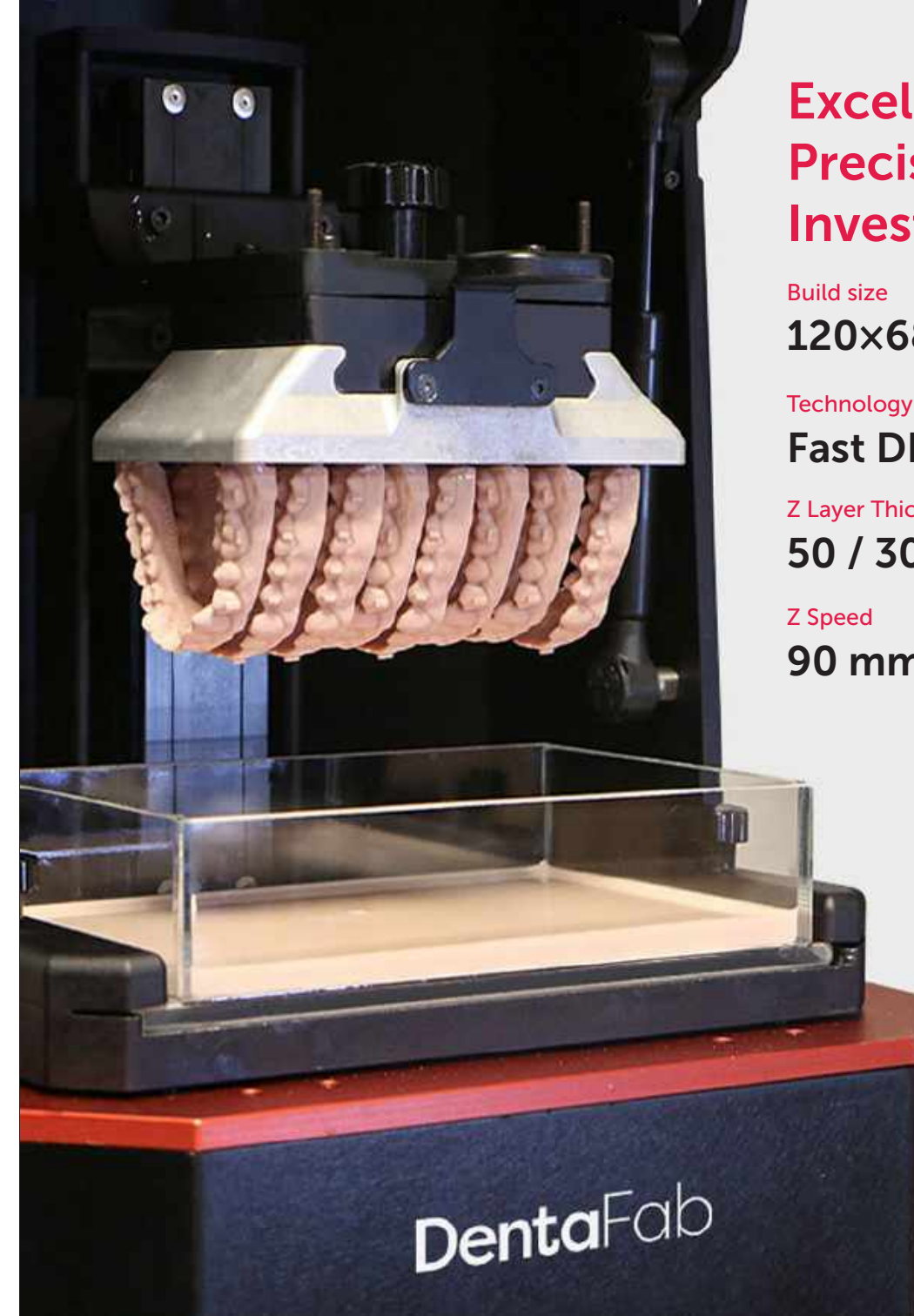
DLP

SEGA Dental 3D Printer

All your dental production at an outstanding speed and quality!

You can produce highly accurate surgical guides, temporary teeth, crowns, bridges, partial frameworks, custom impression trays or gingiva, and all these in few minutes.

- Extremely fast speed designed for dental production
- High details and accuracy
- Over 99.9% print success ratio and efficiency
- 1 year manufacturer warranty
- Projector warranty of 20,000 hours of printing
- Perfect stick technology that does not require extra base



Excellent Dental Precision at a low Investment Cost !

Build size

120x68 mm

Technology

Fast DLP

Z Layer Thickness

50 / 30 / 15 micron

Z Speed

90 mm/hour at 50 micron

Fast dental production with high accuracy

5 half jaw models in 17 minutes!



102 anatomic temporary teeth in 14 minutes!



Full plate 3 dentures in 36 minutes!



2 dental models with dies in 19 minutes!





BURN - Dental Casting Resin

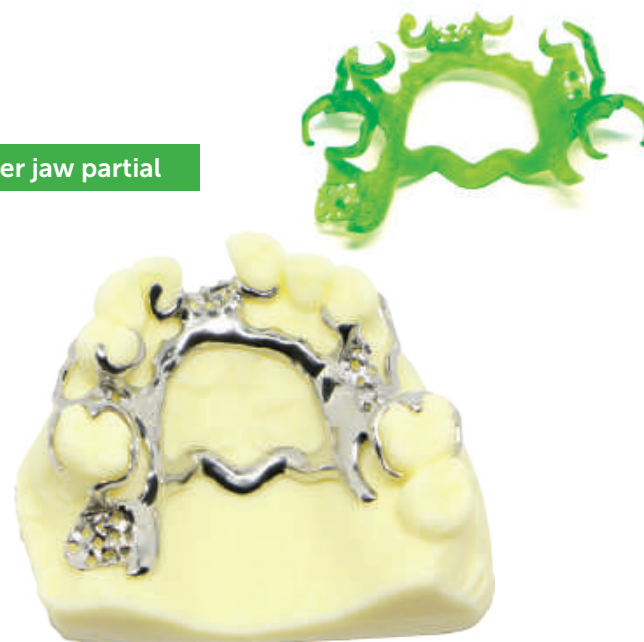
Burn Resin is 100% ash-free castable resin that is used for metal casting or Emax press. Burn resin is used for crown-bridge, occlusion, partial dentures, laminated and inlay/onlay applications.

- 100% ash-free burnout for direct casting
- Compatible for Emax press applications
- Perfect casting with all dental investments
- High accuracy and precision with perfect fitting

Upper jaw partial



Lower jaw partial



Emax Press Crown



Emax Press Veneer



Inlay-Onlay Application



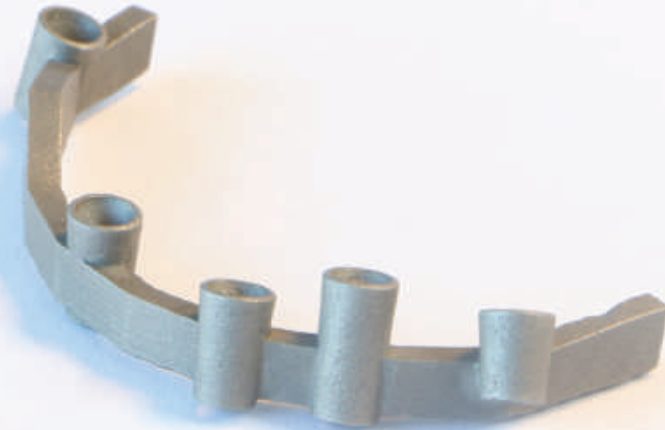
3 Units Bridge



14 Total



Bar Pillar



6 Units Bridge



Extra Coronal Attachment

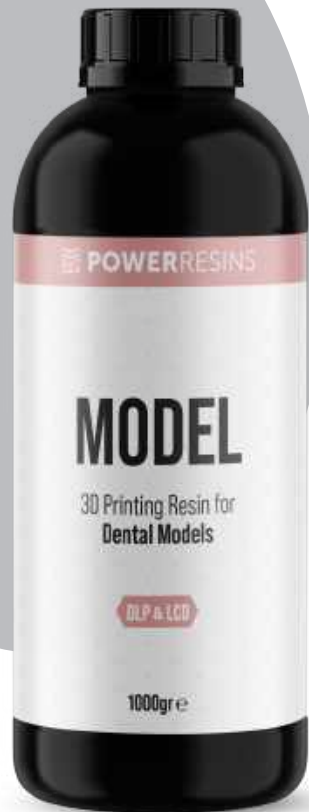


Crown Casting



Partials





MODEL - Dental Model Resin

Model is a special ceramic based 3d printer resin for dental model printing. Powerdent Model resin is used for producing full-mouth, half-mouth models and models with dies.

- High accuracy
- Smooth surface and sharp production
- Provide precise measurement model for fixed and movable prostheses



ORTHOMODEL - Dental Model Resin

OrthoModel resin is a model resin specifically developed for orthodontic dental applications. It provides high accuracy dental model printing while being hard and pressure resistant for vacuum forming of aligners.

- Suitable for vacuum forming of aligners
- High accuracy and pressure resistant
- Smooth surface and sharp production

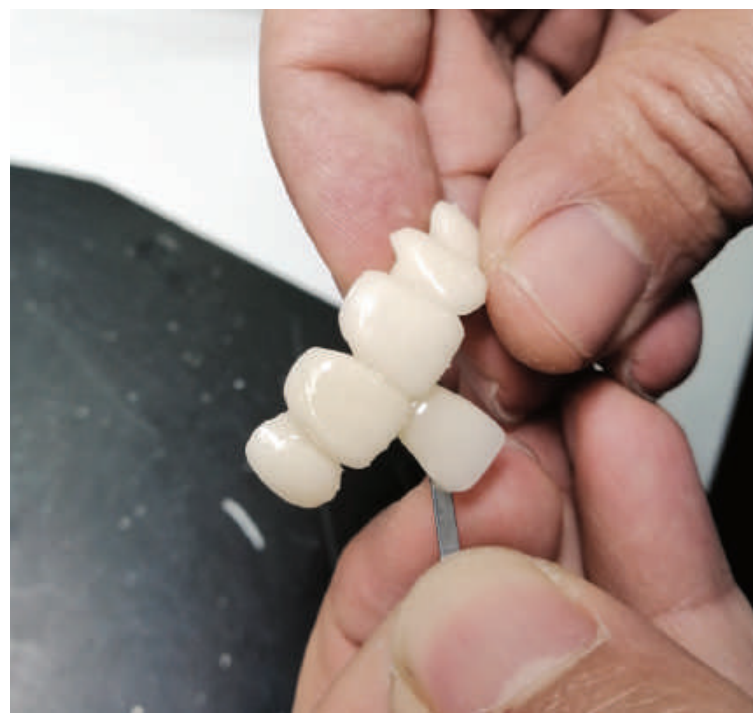




TEMP - Dental Temp Resin

Temp resin is a biocompatible resin for patient's in-mouth use as temporary teeth. It is easily processed and cleanable material that is compatible with natural dental aesthetics. This resin comes in A1, A2 and A3 colour palettes.

- Biocompatible resin to safely use in mouth of patient for temporary teeth
- Available in A1, A2 and A3 colour palettes
- Exceptional breakage and high wear resistance for daily usage
- You can apply composite materials on top of printed material
- No smell and taste



BIOCOMPATIBLE



SG - Dental Surgical Guide Resin

SG is a biocompatible resin, developed for the 3D printing of Surgical Guides for implant surgery use. Because of the high precision of this material it is easy to insert drill sleeves, directly after printing.

- Biocompatible and safe use in implant surgery
- Can also be sterilized using standard autoclave protocols
- No smell and taste



BIOCOMPATIBLE

Our Resin Development

We are continuously improving our R&D in the dental 3d printing field. The new biocompatible 3d printer resins that we are developing and testing in our laboratory are the following:



PowerResins Tray

This is a biocompatible rigid material used for printing individual impression trays.



PowerResins Denture

This is a biocompatible resin suitable for printing all type of removable denture bases.



PowerResins Gum

This is a flexible material that can be used in combination with teeth models.



PowerResins LT Clear

This is a long-term clear biocompatible resin for directly 3d printing splints and occlusal guards.

COMING SOON

Custom made OEM Resins for 3D Printer manufacturers

Aside from our PowerResins products, we also manufacture custom made resins (specific colours or applications) for industry professionals and other SLA or DLP 3d printer manufacturers. Our resins are available under OEM contracts and can be manufactured under custom labels.

DentaFab Platform

Produce and apply temporary teeth to patients in less than 40 minutes!



DentaFab Platform Process

Intraoral Scanning ①

Scan patients teeth using intraoral scanner and send the scan data to DentaFab Platform



DentaFab Platform ②

Temporary teeth are designed on DentaFab Platform



Place Temporary Teeth to Patient Mouth ④

3D Printed temporary teeth are placed in patient mouth



3D Print Patients Temporary ③

Temporary teeth are printed using DentaFab 3D Printer

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