

# 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](http://powerresins.com)



LCD

## VEGA Dental 3D Printer

High accuracy and fast printing capacity for uninterrupted dental production.

Vega Dental 3D Printer is a fast DLP 3D Printer suitable for dental professionals to produce high precision dental models, temporary teeth, crown and bridges, partial models and inlay onlay applications.

- Produce full dental models in 1 hour
- 100 crown models in one hour
- Very high accuracy and precise fitting
- High detail and smooth surface quality
- Uninterrupted production with device change warranty



**Excellent Dental Precision  
at a low Investment Cost !**

Build size

**120x68x120 mm**

Technology

**DLP LED**

Z Layer Thickness

**10-25-50 micron**

Z Speed

**30 mm/hour**

Dimensional accuracy

**0.025 mm**

# Fast dental production with high accuracy



**8 models  
in 150 minutes!**

**100 models with 1 kg PowerDent Model resin!!**

**2000 Temporary teeth with 1 kg PowerDent TEMP resin!**

**80 teeth  
in 35 minutes!**



**3500 Crowns with 1 kg PowerCast Burn resin!**

**90 Crowns  
in 55 minutes**



**1200 Partials with 1 kg PowerCast Burn resin!!**

**4 large Partials  
in 90 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

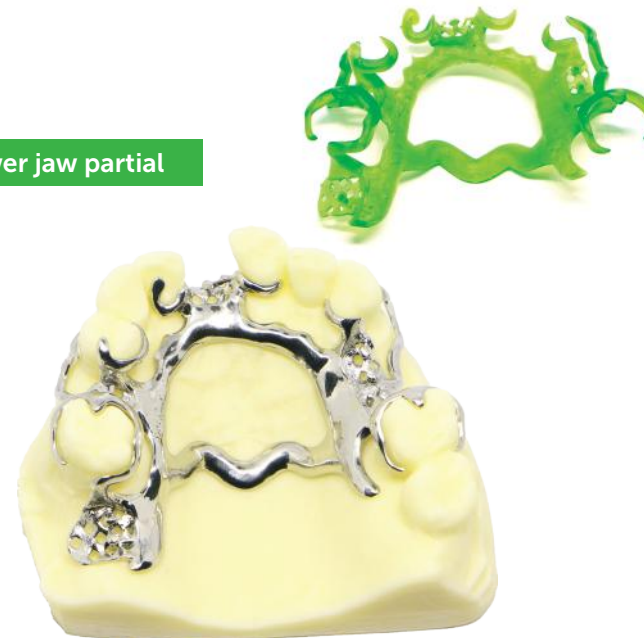
Emax Press Crown



Upper jaw partial



Lower jaw partial



Emax Press Veneer



Inlay-Onlay Application



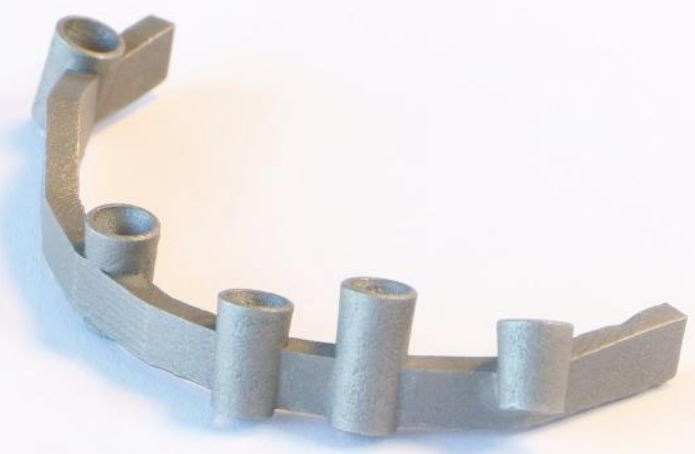
3 Units Bridge



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:

COMING SOON



## PowerDent Tray

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



## PowerDent 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.



## PowerDent LT Clear

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

## 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.



# References

- **Adams Labor Diş Protez** - Gaziantep
- **Anadolu Diş Protez Lab.** - Kayseri
- **Atak Diş Laboratuvarı** - Antalya
- **Viva Dental**- Antalya
- **Aselit Diş Protez Lab.** - Ankara
- **Aslı Diş Protez** - İzmir
- **Ballıpınar Özel Ağız ve Diş Sağ.** - Antalya
- **Beydağı Diş Lab.** - Malatya
- **Bodrum Diş Protez** - İzmir
- **Boğaziçi Diş Lab.** - İstanbul
- **Burcu Ceren Diş Protez Lab.** - Osmaniye
- **Crown Özel Diş Lab.** - Bursa
- **Çağdaş Diş Lab.** - Adana
- **Çelik Dental** - Kocaeli
- **D&H Dental Ltd. Şti** - Ankara
- **Dental Labor** - İzmir
- **Dentcity** - Antalya
- **Dentestetik** - Konya
- **Dent-M Diş Protez Lab.** - İstanbul
- **Doğmuş Diş Lab.** - Adana
- **DTO Özel Sağlık Hiz.** - Antalya
- **Lider Diş Lab.** - Düzce
- **İstanbul Diş Protez** - Ankara
- **Elit Dental Diş Protez Lab.** - Antalya
- **Enta Dental** - Antalya
- **Eyrice Dental** - Bursa
- **Fusion Dentalu** - İstanbul
- **Gold Dental Diş Protez Lab.** - Gaziantep
- **Gökyılmaz Diş Protez Lab.** - Ankara
- **Gültekin Dent** - İstanbul
- **Gün Dent Diş Protez Lab.** - Van
- **Havana Dental** - Denizli
- **ILAB Diş Protez Laboratuvarı** - Ankara
- **İpek Dental Lab.** - Kayseri
- **Karadeniz Diş Laboratuvarı** - Trabzon
- **Karaoğlan Diş Protez Lab.** - Hatay

- **Birlik Dental Diş Protez Lab.** - Kayseri
- **İdeal Dental** - Kayseri
- **Mavident Özel Diş Protez Lab.** - Kocaeli
- **Özel Çok Amaçlı Diş Protez Lab.** - Mersin
- **Mesa Diş Protez Lab.** - Adana
- **Mir Dental** - Bursa
- **Nur Dent Diş Lab.** - Kayseri
- **Özel Akdeniz Diş Protez Lab.** - Hatay
- **Özel Artı Den. Sabit Diş Pro. Lab.** - Gaziantep
- **Özel Aydent Diş Protez Lab.** - İstanbul
- **Özel Barkiyer Diş Protez Lab.** - Şanlıurfa
- **Özel Bektaşoğlu Diş Protez Lab.** - Tokat
- **Özel Bulut Dental** - İzmir
- **Özel Dent Diş Protez Lab.** - Osmaniye
- **Özel Elit Diş Lab.**
- **Özel Diş Protez Lab.** - Osmaniye
- **Özel Dizayn Dent** - Bursa
- **Özel Doğan Çağdaş Diş Pro. Lab.** - İzmir
- **Özel Elmas Dental** - İstanbul
- **Özel Estetik Diş Protez Lab.** - Hatay
- **Özel Nobel Diş Protez Lab.** - Samsun
- **Özel Okyanus Diş Protez Lab.** - Trabzon
- **Özel Opal Dental** - Ordu
- **Özel Ordent Diş Lab.** - Hatay
- **Özel Samsun Oluşum Dental** - Samsun
- **Özel Tasarım Diş Protez** - Bursa
- **İstanbul Pro Dental** - İstanbul
- **Set Dental** - Kayseri
- **Teknoloji Diş ve Sağlık Hiz.** - Karaman
- **Estek Dental** - Antalya
- **Vision Dental** - Antalya
- **Yıldız Dental** - Antalya
- **YST Diş Protez Lab.**
- **Zeynel Abidin Tüter**
- **Birleşim Dental** - Urfa
- **Merve Dental** - Urfa



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