

**makertech**Labs®  
3D Solutions

# priZma<sup>3D</sup>

RESINS FOR 3D PRINTING



Product catalog

**maquira**®  
Dental Group





## Latin America's first 3D resin manufacturer

Makertech's story began in 2013 when, motivated by a personal need, I began a research journey to develop resins for 3D printing. In dental practice, the advance of digital flow was evident in many parts of the world, but not yet in Brazil. The difficulty in accessing these materials was notable, awakening in me the perception of a significant demand in Brazilian dentistry and in the general market.

Committed to research and development, Makertech stood out as the pioneer in the production of 3D printing resins in Latin America. In 2020, we were acquired by Maquira Dental Group, boosting our growth and innovation and reaching a presence in more than 35 countries.

Our portfolio includes biocompatible, calcinable and general use resins, as well as complements for various applications in the field of 3D printing. We use raw materials that are internationally certified as the best on the market and we subject our products to strict quality controls from the start of production.

We have a team dedicated to providing personalized support, ensuring that dental professionals have complete confidence in our products and know that we are by their side every step of the way.

We believe passionately in what we do and are prepared to make 3D printing increasingly accessible and of high quality, thus contributing to the continued advancement of modern dentistry.



**Fabricio Gebrin**  
Founder and CEO  
Makertech Labs





# 3D technology that transforms the future



**makertech**Labs®  
3D Solutions

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# Biocompatible

Resins





# prizma<sup>3D</sup> BIO CROWN

Resin for 3D  
printing of  
long-term  
crowns



PriZma 3D Bio Crown is indicated for the 3D printing of crowns, inlay and onlay restorations. It is a nanohybrid composite resin, biocompatible and enriched with ceramic and silanized zirconia. Its formulation incorporates inorganic matrices that harmonize opacity and translucency.

Printers: DLP | LCD

## Main benefits



### Resistance and stability:

The incorporation of nano and micro ceramic fillers, together with silanized zirconia, provides remarkable resistance to breakage and bending, as well as high resistance to abrasion.



### Biocompatibility:

This resin has low solubility and high biocompatibility, which results in complete safety for the patient, as well as being odor-free, non-irritating and completely non-toxic.



### Easy processing and aesthetics:

It can be characterized with any composite resin make-up kit and obtain maximum gloss with priZma Seal glaze.



### Ideal viscosity:

Low material consumption, as well as keeping loads in suspension for longer during printing.



Check out more information

BL | A1 | A2





# priZma<sup>3D</sup> BIO PROV

## Resin for 3D printing of provisional CROWNS

Printers: DLP | LCD



PriZma 3D Bio Prov is a biocompatible resin developed for making temporary teeth and crowns.

It offers excellent definition, low shrinkage and color stability once the piece is complete.

### Main benefits



#### Abrasion resistance and color stability:

The presence of filler provides strength, ease of polishing and excellent color stability for temporary use.



#### Low viscosity:

Fluidity that guarantees better precision and richness of detail, as well as optimum performance and ease of cleaning your printer's tank.



#### Variety of colors:

Available in a variety of colors, they guarantee more versatility and personalization to dental procedures, resulting in more natural and aesthetically harmonious cases.

With priZma Seal you can guarantee even better results!



Check out more information



A1 | A2 | A3 | B1 | BL



# prizma<sup>3D</sup> BIO SPLINT

Resin for 3D  
printing of  
myorelaxation  
plates and  
splints



PriZma 3D Bio Splint is a high-strength transparent biocompatible resin, suitable for printing all types of retainers and myorelaxation plates.

Printers: DLP | LCD

### Main benefits



#### High durability:

Its mechanical properties guarantee optimum durability when used within specifications.



#### Excellent performance:

The ideal fluidity gives this resin high performance and use.



#### Post-cure control:

Before the curing stage, the resin has a lilac color, becoming transparent when the post-curing is completely finished.

With priZma Seal you can guarantee even better results!



Check out more information



Colorless



# priZma<sup>3D</sup> BIO GUIDE

Resin for 3D printing of surgical guides for implants and others

Printers: DLP | LCD



PriZma 3D Bio Guide is a resin formulated for the manufacture of surgical guides. It stands out for offering exceptional definition and resolution, low shrinkage and repeatability. The practicality of priZma 3D Bio Guide makes it easy to insert washers immediately after printing and post-processing. In addition, its initial translucent yellow color and translucent amber hue after autoclaving help to clearly distinguish between sterile and non-sterile parts.

## Main benefits



### Excellent printing quality:

Greater richness of detail for professionals looking for high standards in 3D printing.



### High resistance:

Safety and stability in the insertion of washers and instrumentation during surgery.



### High dimensional accuracy:

Reliable fitting of the metal washers.



### Autoclavable:

Possibility of sterilization for surgical procedures, guaranteeing patient safety.



Check out more information



Amber







prizma<sup>3D</sup>

# BIO ORTHO IBT

Resin for 3D printing of guides for indirect orthodontic bracket bonding

Printers: DLP | LCD



PriZma 3D Bio Ortho IBT is a biocompatible resin for orthodontic applications. Its use allows precise planning of the location of orthodontic brackets, enabling the indirect bonding of parts efficiently, speeding up procedures and providing greater comfort for patients.



### Main benefits



**Time saving:**

Up to 75% savings in chair time when bonding orthodontic brackets.



**High dimensional accuracy:**

Bracket bonding completely faithful to digital planning.



**Maximum detail reproduction:**

Its printing fidelity guarantees optimum adaptation of the brackets.



**Easy to handle:**

Easy to remove the guide after bonding the brackets.

Colorless



Check out more information





# priZma<sup>3D</sup> BIO DENTURE

## Resin for 3D printing of total prostheses

Printers: DLP | LCD



PriZma 3D Bio Denture is a biocompatible material recommended for printing all types of removable prosthesis bases. It stands out for its exceptional mechanical properties and can be compared to conventional materials used for prosthesis bases.

### Main benefits



#### Low viscosity:

Fluid resin guaranteeing better performance and accuracy of detail, as well as making it easier to clean your printer's tank.



#### Time saving:

Quick and practical denture making.



#### Realistic result:

The colors can be customized with the use of makeup, which offers a realistic simulation of the gums for removable prostheses.



#### High durability:

Its mechanical properties guarantee optimum durability, even when compared to conventional denture materials.



Check out more information



A1 | Medium Pink | Colorless





# priZma<sup>3D</sup> BIO TRAY

## Resin for 3D printing of individual trays and test base

Printers: DLP | LCD



PriZma 3D Bio Tray is a biocompatible resin used to print individual trays, from the simplest to the most complex, including bases for denture plates. It stands out for its printing efficiency, precision and low shrinkage, offering technicians and dentists an agile and effective solution for creating customized trays.

### Main benefits



#### High resistance and versatility:

Printed trays are rigid and suitable for all types of impression material.



#### High performance:

Prints up to 50 trays per 500 g bottle.



#### Autoclaving:

Quality and resistant material, able to withstand autoclaving, guaranteeing patient safety.



Check out more information



Blue





# Resins for General Use





# prizma<sup>3D</sup> WIDE

Resin for  
3D printing  
of dental models,  
aligners models  
and dies



Makertech Labs prizma 3D Wide resin is the perfect choice for printing dental models, dies and prototypes. Compatible with any 3D printer, Wide is an affordable solution without compromising on quality. What's more, it offers low shrinkage, detail definition and high precision for your models. Available in gray and beige.

Printers: DLP | LCD

### Main benefits



High quality and high precision



Low contraction



Great cost-benefit



Check out more information



Beige | Gray





# priZma<sup>3D</sup> MODEL

Resin for  
3D printing  
of dental  
models and  
models for  
aligners



PriZma 3D Model resin is suitable for high-precision printing of dies, dental models and models for aligners.

Printers: DLP | LCD



### Main benefits



#### High precision finish:

Fluid resin ensuring better performance and precision of detail, as well as making it easier to clean your printer's tank.



#### Dimensional accuracy:

Once post-curing is complete, priZma 3D Model offers low shrinkage and no change in part size.



#### High stability material:

Guaranteeing reliability when printing, avoiding waste and rework.

Use with  
IsopriZma, the  
Makertech  
model  
insulator



Check out more  
information





# prizma<sup>3D</sup> MODEL 2.0

Resin for 3D printing of dies, dental models and models for aligners



PriZma 3D Model 2.0 resin offers high definition when printing dies, dental models and models for aligners.

It also has low shrinkage and guarantees distortion-free impressions.

Printers: DLP | LCD

### Main benefits



**High resolution:**

Models printed with even more precision and definition.



**High resistance:**

Drop-resistant, handle your print without worry.



**Low viscosity and resin saving:**

Guaranteed reliability, reduced waste and rework.



Check out more information



Lilac | Sand





# priZma<sup>3D</sup> STANDARD

Resin for 3D  
printing of  
dental models  
and general  
prototyping



PriZma 3D Standard resin is suitable  
for dental models and prototyping in  
general.

Available in white, gray and crystal.

Printers: DLP | LCD

### Main benefits



#### Low viscosity:

Fluidity that guarantees  
better performance and  
precision, as well as making  
it easier to clean the tank of  
your 3D printer.



#### Colors:

Expand your options when  
printing in white and crystal  
with application of priZma  
3D Colors.



#### Maximum reproduction of details:

Developed for prints that  
require a high degree of  
detail.

### priZma 3D Colors



Check out more  
information



White | Gray | Crystal





# priZma<sup>3D</sup> ORTHO

Resin for 3D  
printing of  
models for  
radiology and  
models for  
aligners

Printers: DLP | LCD



PriZma 3D Ortho resin has been developed for 3D printing of dental models, orthodontic aligners, radiology zocalates and general prototyping.



### Main benefits



**Agility:**

Faster with the possibility of printing layers from 50 to 100 microns with precision and agility.



**Excellent performance:**

More economy for your work.



**Print fidelity:**

Better visualization of details due to color and opacity.



Check out more information



# priZma<sup>3D</sup> GINGIVA

Resin for  
3D printing  
of gingiva  
on models  
and dies



PriZma 3D Gingiva resin is indicated  
for reproducing gingival segments in  
conjunction with models and dies.

Printers: DLP | LCD

### Main benefits



**Flexibility:**

Excellent elasticity and  
dimensional stability.



**Distinctive color and  
easy to cut:**

The pink color makes it  
easy to distinguish the work  
and the consistency makes  
it possible to make cuts  
with blades and cutters,  
facilitating the work of the  
prosthetic laboratory.



**Dimensional  
accuracy:**

Low shrinkage, fully  
preserving the dimensions  
of the piece, as well as  
perfect adaptation in sets  
printed with other resins in  
the priZma 3D range.



Check out more  
information



Pink





# priZma<sup>3D</sup> CASTABLE

Resin for 3D  
printing for  
casting and  
injection

Printers: DLP | LCD



PriZma 3D Castable resin is indicated for printing calcined elements for casting models such as copings, bars, veneers, implant components, lithium disilicate materials, metals and others.

### Main benefits



#### Low viscosity:

Fluidity that guarantees better performance and precision of detail, as well as making it easier to clean the tank of your 3D printer.



#### Maximum reproduction of details:

Ideal for work that requires a high degree of detail.



#### Great burn:

In the casting process, its elimination reaches up to 100% in slow ramps that use high quality phosphate coatings.



Check out more information



Orange





# priZma<sup>3D</sup> CASTABLE II

Resin for 3D  
printing for  
casting and  
injection



PriZma 3D Castable II is a resin with a high wax content, indicated for printing calcined elements for casting models such as copings, bars, veneers, implant components, lithium disilicate materials, metals and others.

Printers: DLP | LCD

### Main benefits



#### Great burn:

In the casting process, its elimination reaches up to 100% in slow ramps that use high quality phosphate coatings.



#### High accuracy:

It provides an excellent fit, precise results and no distortion, even for extremely delicate and complex models.



#### Excellent dimensional stability:

It guarantees a safe application, offering predictability to the final piece.



Check out more information



Green | Opaque Green





# Complements





# prizma<sup>3D</sup> REBASE

Resin for  
rebasings bruxism  
plates and  
temporary  
crowns  
printed in 3D



Material for rebasing and occlusal adjustments of bruxism plates and provisional crowns printed in 3D resin.



### Main benefits



**Biocompatible Resin**



**Aesthetic finish:**

Colorless material, providing an aesthetic finish, guaranteeing a natural appearance for bruxism plates.



**Ideal viscosity:**

Ideal viscosity and thixotropy for precise application and easy handling during the relining and adjustment process.



**Light-curing in UV and Blue light:**

Compatible with any light-curing device.

Innovative Product  
Specific for use in  
3D printing



Colorless | A1



Check out more information



CMYK dye for  
3D printing

priZma<sup>®</sup>  
**COLORS**

More  
color in  
your 3D  
printing.

PriZma 3D Colors CMYK dyes and pigments have been specially developed to color your 3D printing resins.

With our kit you'll get the best value for money and the possibility of printing 3D models in the colors of your choice.



CYANO

MAGENTA

YELLOW

BLACK

WHITE

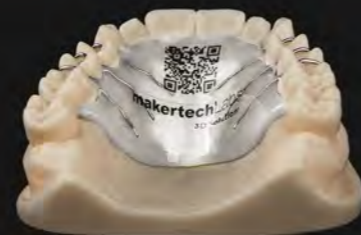


# prizma<sup>3D</sup> ISOPRIZMA Insulator for 3D resin models

# prizma<sup>3D</sup> SEAL Sealant and surface gloss



IsopriZma is used as an insulator for 3D resin models, allowing acrylic resin devices to be made on the models without adhesion. It is non-toxic, tasteless, odorless and easy to use.



### Application:

IsopriZma should be applied using a brush to the entire surface of the finished 3D resin model (clean, dry and post-cured). Apply one layer and wait for it to dry completely. You can apply more layers if necessary.

### Main benefits:



#### Easy to apply:

A single layer is sufficient for the models and can be removed easily after use, either by peeling it off or simply washing it.



#### Non-toxic and safe:

It is a non-toxic, hypoallergenic and water-soluble product with no interactions or side effects for use in laboratories and dental practices.

PriZma SEAL is a UV-curing glaze developed for 3D printed resins for full and partial dentures, temporary crowns, plates and various other applications. Its unique formula reduces porosity, effectively sealing the resin surface, ensuring greater resistance to abrasion and giving the desired gloss.



### Application:

Apply a single layer of priZma Seal with a soft brush, following one direction to avoid the formation of bubbles. Leave to act for 15 seconds before light polymerization. Afterwards, expose it to UVA light devices. We recommend a drying time of 10 to 15 minutes for the surface, adjusting according to the power of the equipment. If you wish to apply additional layers, simply repeat the procedure.

### Main benefits:



#### Resistance and shine:

It provides high gloss and longevity to printed elements, with a high surface hardness, resistance to abrasion, solvents and excellent adhesion.



#### Reduces the accumulation of impurities:

Its composition allows long-term bonding to 3D resins, leaving the surface extremely smooth, reducing dental biofilm, plaque, food residue and other impurities.





Perfect 3D prints  
require **perfect**  
calibration.

Doubts when it  
**comes to printing?**

## How to calibrate the printer?



It is very important to print a  
test file before printing!

This file could be a cube with  
known dimensions, or it could  
be interlocking pieces!

Makertech Labs has made  
a special file available for  
download!

Follow the step-by-step  
instructions and see  
how easy it is to use!



### Printer calibrator

Download free  
Makertech Labs

More than personalized attention,  
Makertech Labs offers professional  
support.

We have a specialized team to  
answer your questions, offering full  
support in the use of our resins.



## Contact our technical support:

**Sales:** +55 (44) 99887-1804

**Technical support:** +55 (15) 99116-0827

