

**makertech**Labs®  
3D Solutions

**prizma**<sup>3D</sup>  
RESINAS PARA IMPRESSÃO 3D



Product catalog

**maquira**<sup>®</sup>  
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 47 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

**maquira®**  
Dental Group  
maquira  hemospot  makertechLabs 3D Resins



# 3D technology that transforms the future

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# Biocompatible Resins



# prizma<sup>3D</sup>

## BIO CROWN DIAMOND

Resin for 3D printing of definitive works

Printers: DLP | LCD

### Main benefits



Balanced fluorescence, reproducing the natural appearance of teeth.



Flexural strength of 143 MPa, ensuring greater resistance and hardness.



Radiopacity, allows control in radiographic exams.

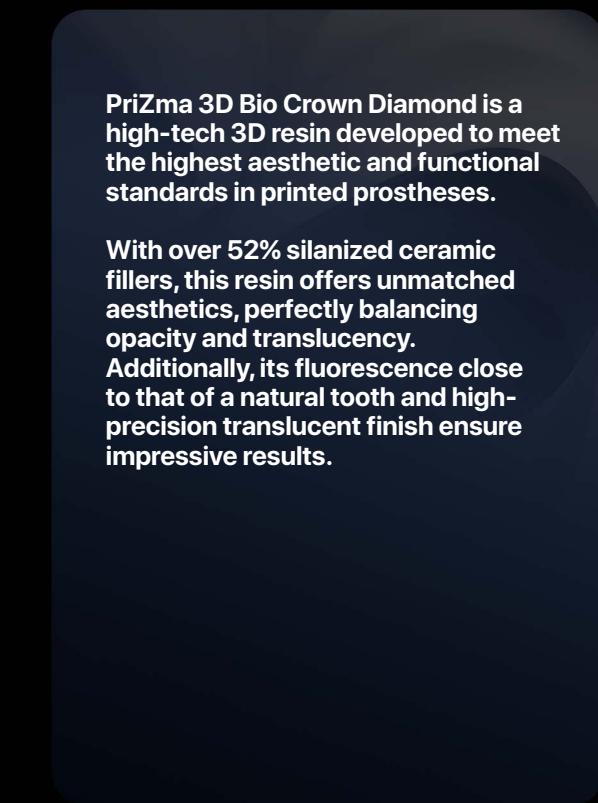


52% of silanized fillers.



Low odor.

**Indication:** Permanent single crowns, fixed prostheses, inlays, onlays, veneers, artificial teeth, and bar-reinforced protocols.



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

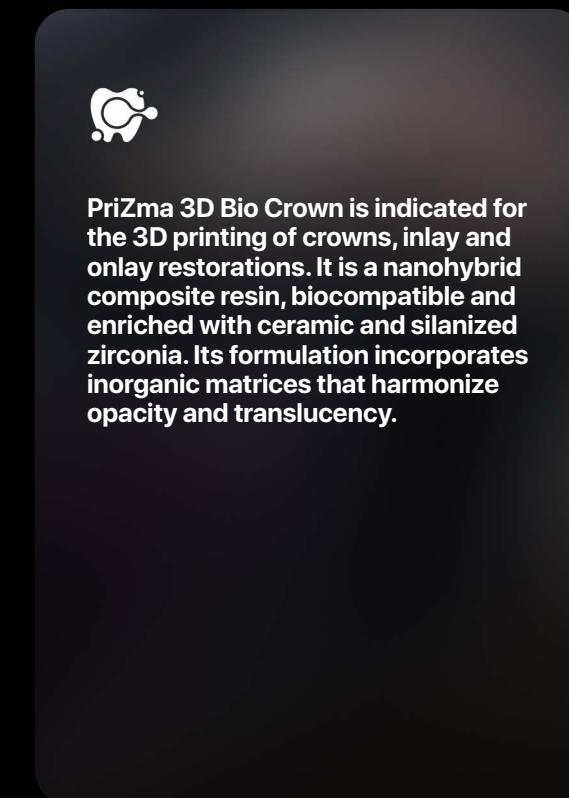
Easy characterization with PriZma 3D Makeup, providing aesthetics and natural appearance.



# prizma<sup>3D</sup>

## BIO CROWN

Resin for 3D  
printing of  
long-term  
CROWNS



Printers: DLP | LCD

| Main benefits  |   |  |   |
|--|---|--|---|
|  |   |  |   |
| <b>Resistance and stability:</b><br>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. | <b>Biocompatibility:</b><br>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. | <b>Easy processing and aesthetics:</b><br>It can be characterized with any composite resin makeup kit and obtain maximum gloss with Prizma Seal glaze. | <b>Ideal viscosity:</b><br>Low material consumption, as well as keeping loads in suspension for longer during printing. |
|  |   |  | <b>With Prizma Glaze you can guarantee even better results!</b>   |



For more information  
[CLICK HERE](#)



# prizma<sup>3D</sup>

## BIO PROV

Resin for 3D  
printing of  
provisional  
CROWNS

Printers: DLP | LCD

### 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 Glaze  
you get even  
better results!



A1 | A2 | A3 | B1 | BL

# prizma<sup>3D</sup>

## BIO SPLINT SOFT

Resin for 3D printing of muscle relaxant plates and splints

Printers: DLP | LCD

### Main benefits



#### Excellent Flexibility:

Flexibility without losing hardness



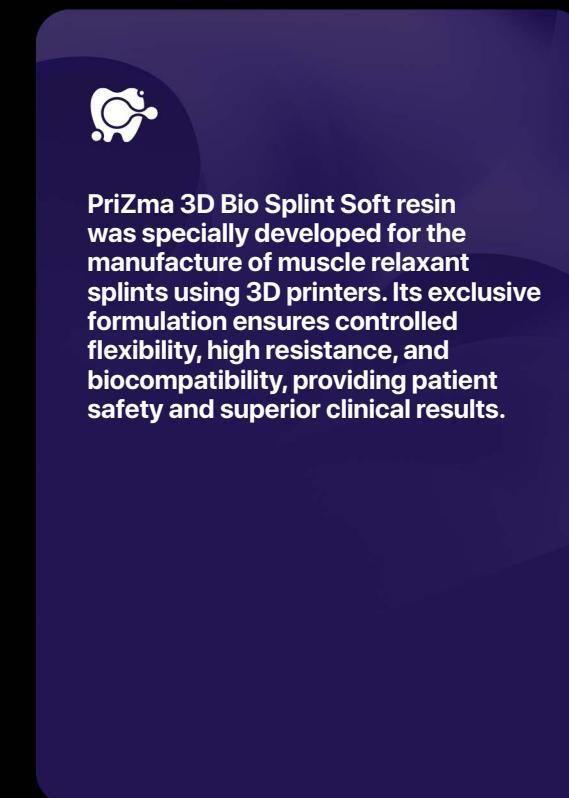
#### Excellent performance:

The ideal fluidity gives this resin high performance and efficiency.



#### Finishing and adaptation:

Easy finishing, excellent aesthetics, and intraoral adaptation.



Colorless



# prizma<sup>3D</sup>

## BIO SPLINT

Resin for 3D printing of myorelaxation plates and splints

Printers: DLP | LCD

### Main benefits



#### High durability:

Its mechanical properties guarantee optimum durability when used within specifications.



#### Excellent performance:

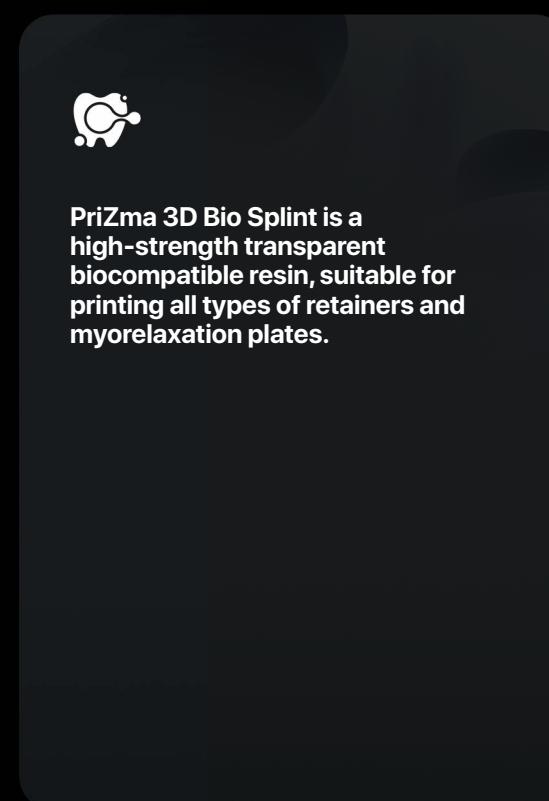
The ideal fluidity gives this resin high performance and use.



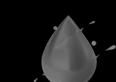
#### Post-cure control:

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

With prizma Glaze you can guarantee even better results!



Colorless

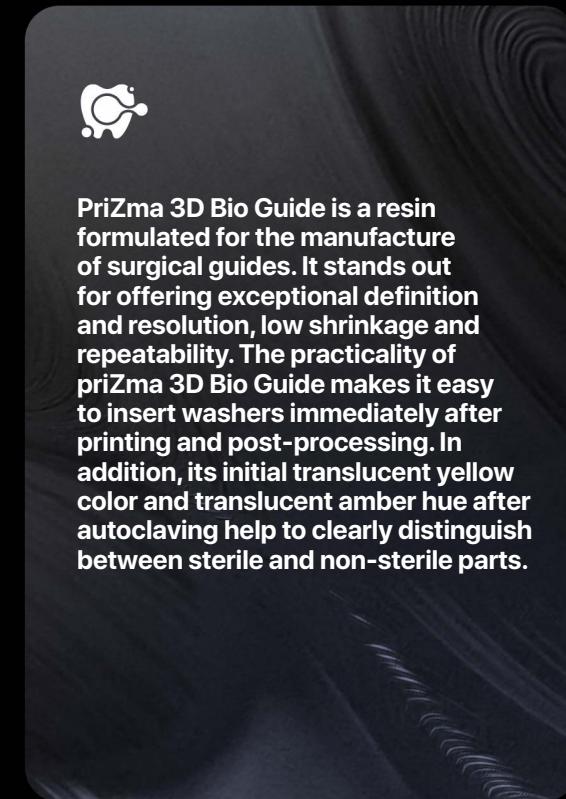


# prizma<sup>3D</sup>

## BIO GUIDE

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

Printers: DLP | LCD



Amber

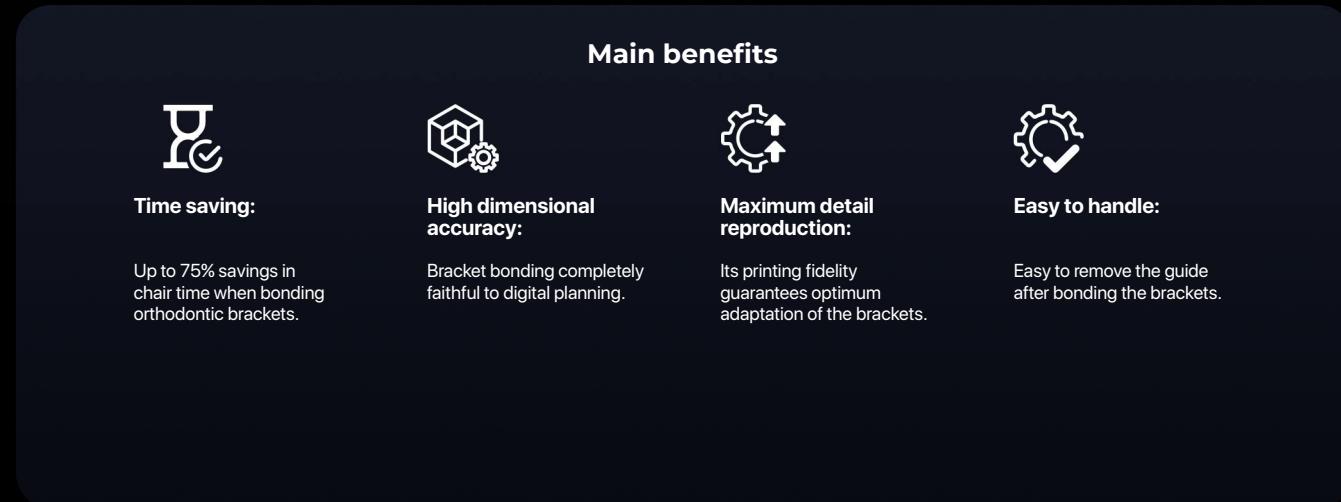
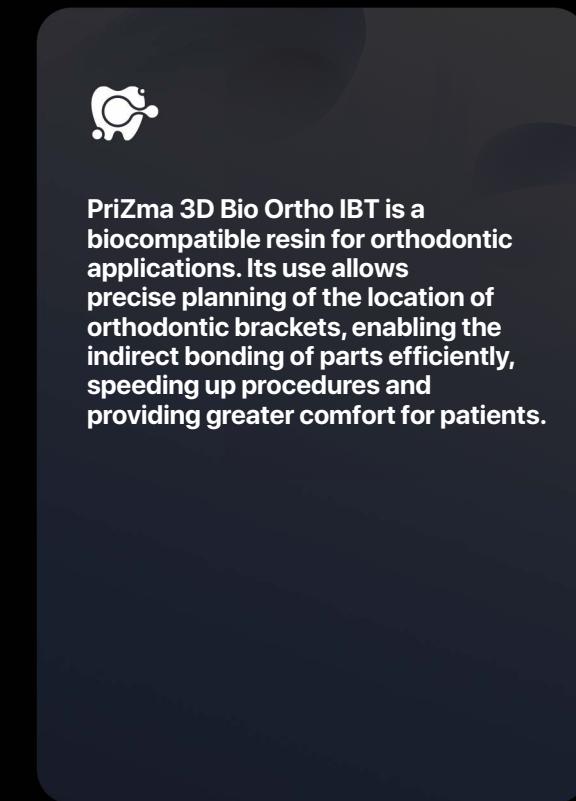


# prizma<sup>3D</sup>

## BIO ORTHO IBT

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

Printers: DLP | LCD



Colorless

# prizma<sup>3D</sup>

## BIO DENTURE

Resin for  
3D printing  
of total  
prostheses

Printers: DLP | LCD

### Main benefits



#### Low viscosity:

Fluid resin guaranteeing better performance and precision of details, as well as making it easier to clean the tank of your 3D printer.



#### Time Saving:

Agile and practical manufacturing for dentures.



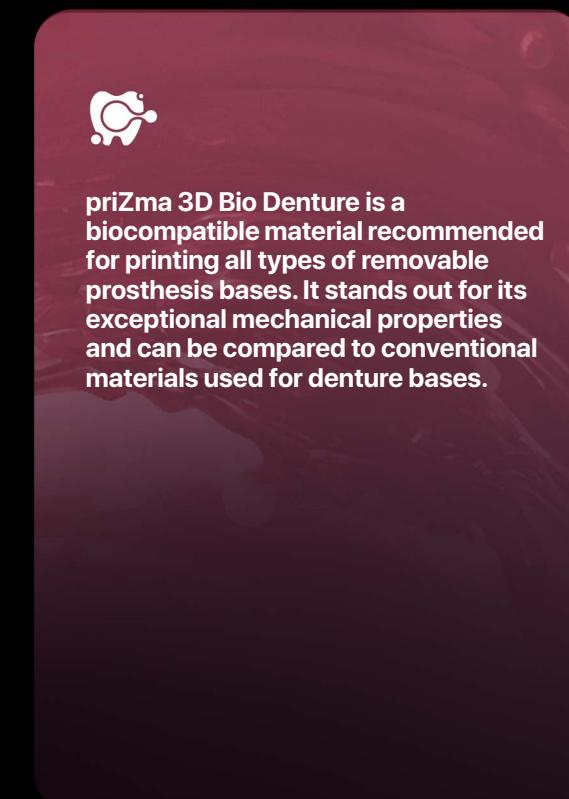
#### Realistic result:

Colors can be customized using makeup, which offers a realistic gum simulation for removable dentures.

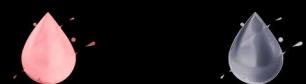


#### High durability:

Its mechanical properties guarantee great durability to the piece, even when compared to conventional denture materials.



Medium Pink | Colorless



# Resins for General Use



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

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

Printers: DLP | LCD

#### Main benefits



High quality and  
high precision



Low contraction



Great cost-benefit



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.

For more information  
[CLICK HERE](#)



Beige | Gray



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## MODEL 2.0

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

Printers: DLP | LCD

### Main benefits



#### High resolution:

Models printed with even more precision and definition.



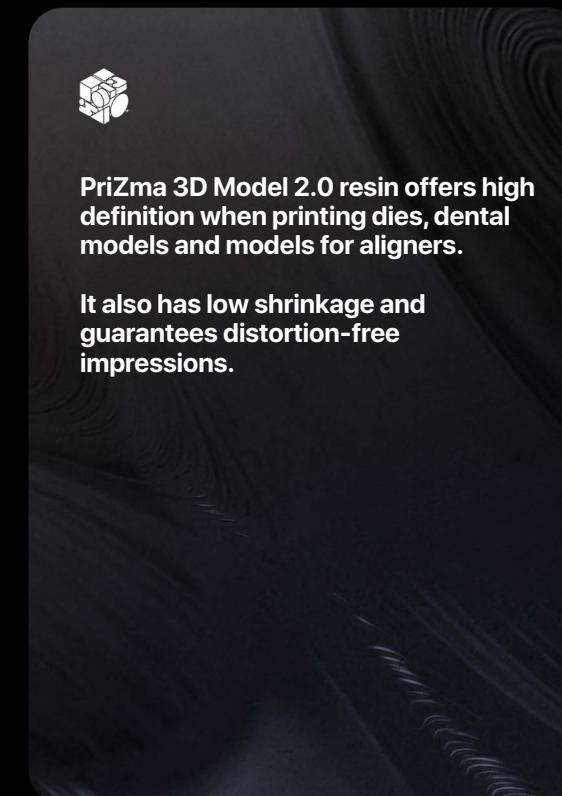
#### High resistance:

Drop-resistant, handle your print without worry.



#### Low viscosity and resin saving:

Guaranteed reliability, reduced waste and rework.



# prizma<sup>3D</sup>

## STANDARD

Resin for 3D printing of dental models and general prototyping

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



White | Crystal



# prizma<sup>3D</sup>

## GINGIVA

Resin for  
3D printing  
of **gingiva**  
on models  
and dies

Printers: DLP | LCD

### Main benefits



#### Flexibility:

Excellent elasticity and dimensional stability.



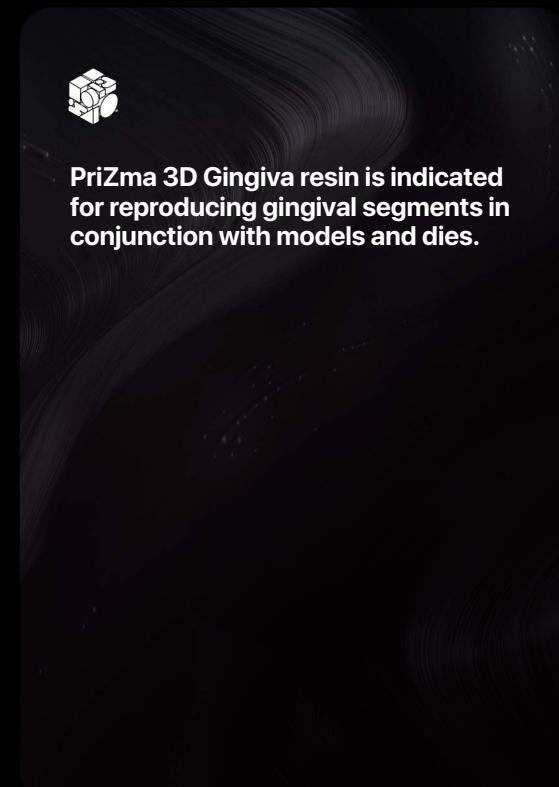
#### Distinctive color and easy to cut:

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.



Pink

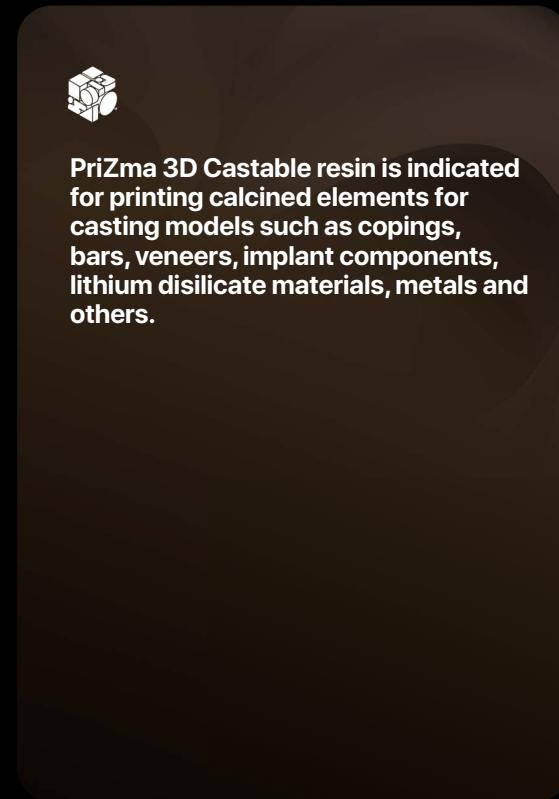


# prizma<sup>3D</sup>

## CASTABLE

Resin for 3D printing for casting and injection

Printers: DLP | LCD



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



#### Great burn:

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



Orange

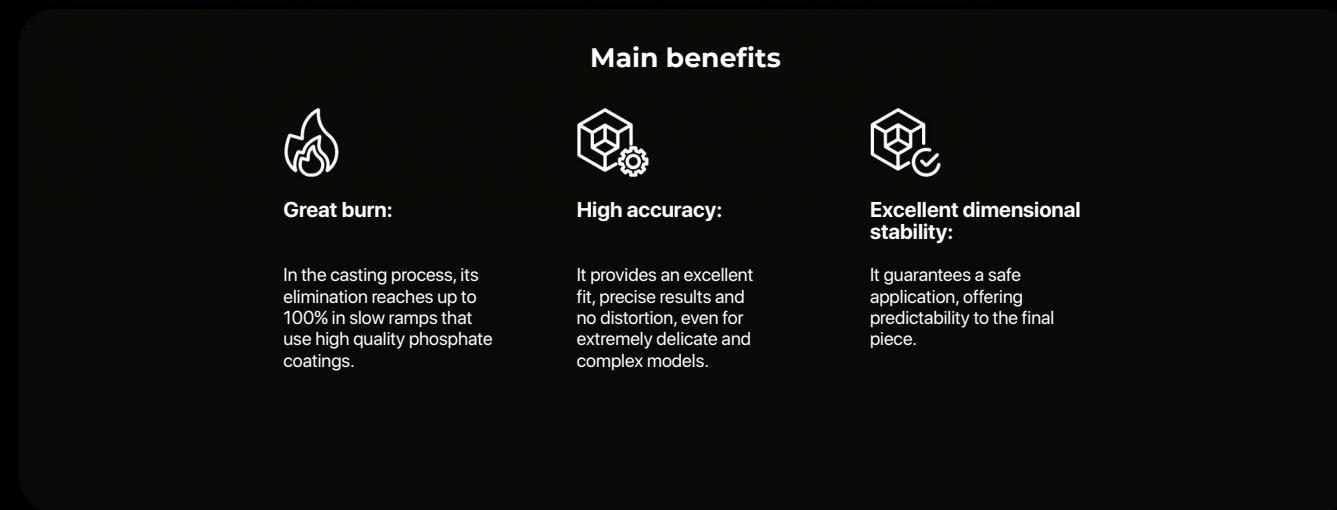
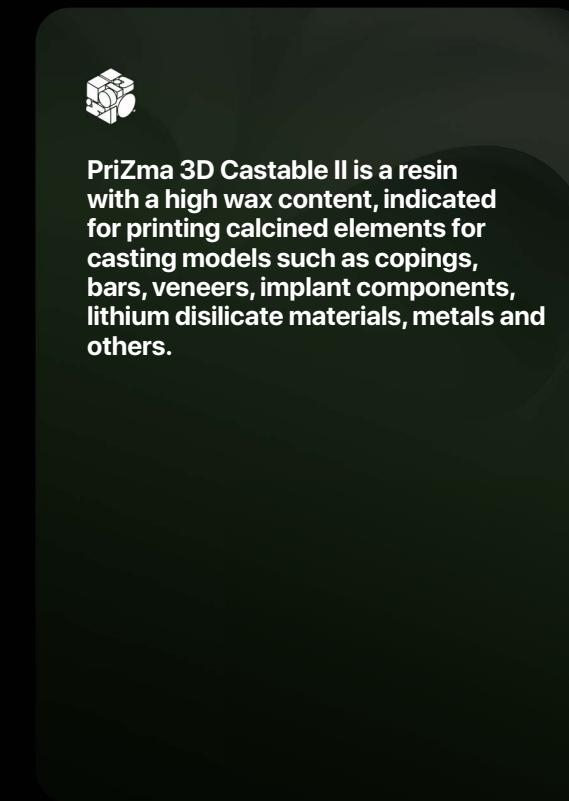


# prizma<sup>3D</sup>

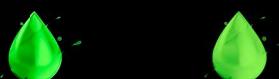
## CASTABLE II

Resin for 3D printing for **casting and injection**

Printers: DLP | LCD



Green | Opaque Green



# Complements



# prizma<sup>3D</sup>

## ALIGNER FILL

Light-curing  
fluid resin filler  
for pontics in  
thermoplastic  
aligners



Orthodontic  
Solution



### Indications for use:

Ideal for orthodontists looking for an effective material for correcting and customizing aligners, PriZma Aligner Fill precisely fills and adapts the pontic. It offers a perfect fit without interfering with the movement of the aligner, making it an efficient solution for orthodontic treatments.



Exclusive and  
Innovative



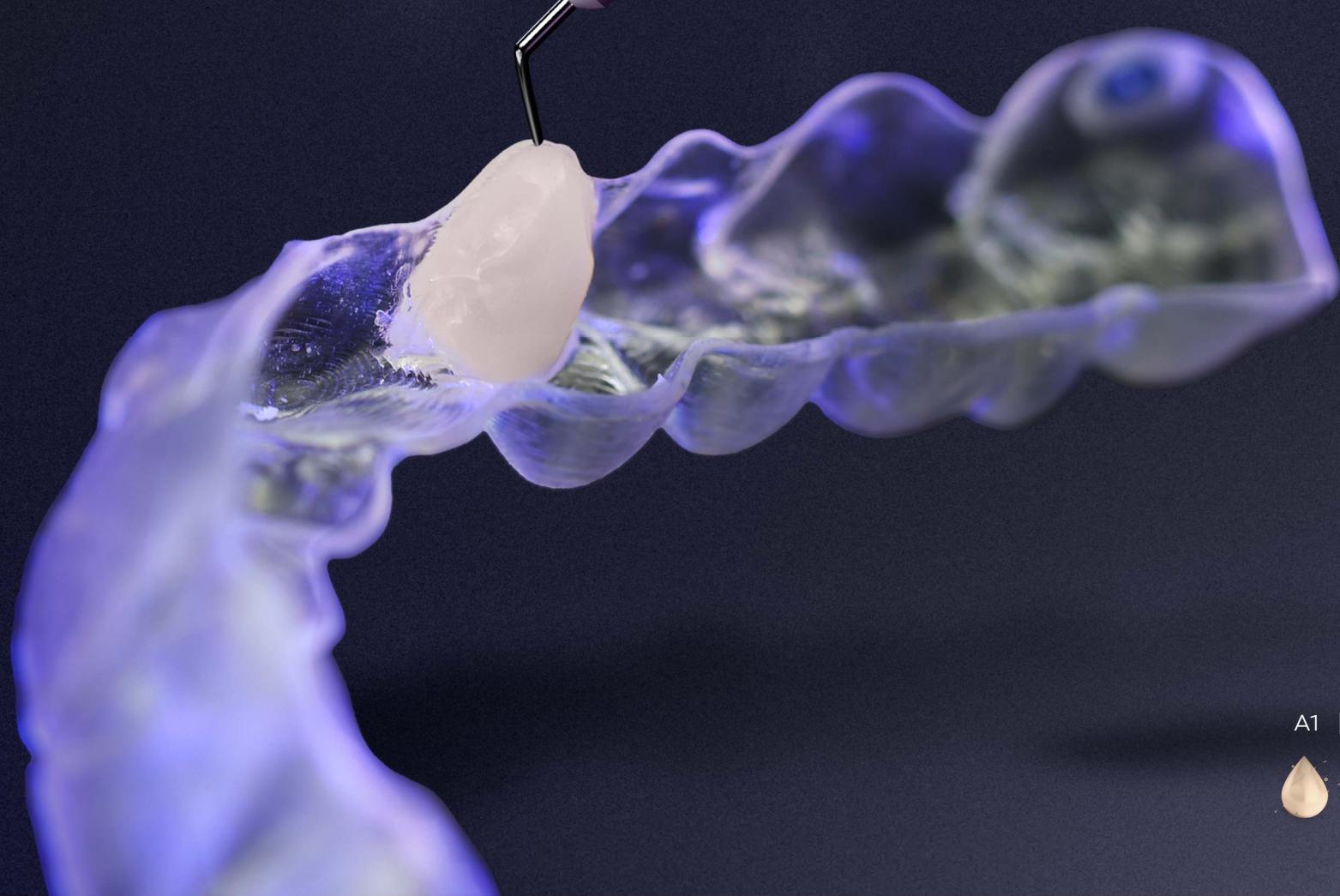
Corrects gaps without  
compromising  
movement



Comfortable  
for the patient



Allows for a  
perfect fit



Aligner Fill  
Resina fluida preenchadora fotopolimerizável de ponticos e  
alinhadores termoláteis  
Resina fluida fotopolimerizável para relleno de ponticos e  
alinhadores termoláteos

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# prizma<sup>3D</sup>

# MAKEUP

Light-curing  
pigment for resin  
characterization



#### Prizma 3D Makeup is indicated for:

- Variety of shades for optimal customization.
- Results that perfectly reproduce the natural appearance of the teeth.
- Guaranteed compatibility with all 3D resins, both for temporary and long-term work.
- Proven safety: biocompatible and ANVISA registered.
- Exceptional finish for high quality results.
- Ease of use and handling, providing a smooth experience.
- Ready for immediate use in the office or laboratory, without additional preparation.
- Effective light curing with blue and UV light, ensuring long-lasting fixation.



Excellent  
finishing



Easy  
handling



Variety of  
colors

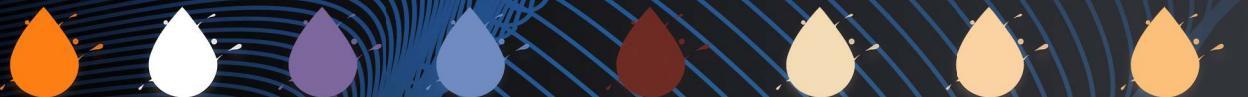


Biocompatible



Also available in individual colors:  
Red, Pink, Yellow and Black

HONEY | LUNAR | PURPLE | ACQUA | TERRACOTTA | VANILLA | INTENSE A | INTENSE B



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## REBASE

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



Colorless | A1



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.



For more information  
[CLICK HERE](#)

# prizma<sup>3D</sup>

## SEAL

Light-curing Verniz



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

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:



Strength and gloss



Reduces the accumulation of impurities

PriZma Seal

For more information

[CLICK HERE](#)

# prizma<sup>3D</sup>

## GLAZE

Light-curing Verniz



**priZma 3D Glaze** is a light-curing glaze specially developed for 3D printed resins. Ideal for sealing any porosity and providing the desired gloss to the material, its application stabilizes the surface, offering abrasion resistance and a high gloss finish

Apply a single layer of **priZma Glaze** 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:



Light-curing with blue and UV light



Can be used with make-up



Greater resistance to abrasion

PriZma Glaze

PriZma Glaze REG. ANVISA N°: 80322409025

For more information

[CLICK HERE](#)

# Perfect 3D prints require perfect calibration.

## 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

## Doubts when it comes to printing?

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:

**Ventas:**  
+55 (44) 9737-7313  
+55 (44) 9887-1804

**Asistencia técnica:** +  
55 (15) 99132-9289

