

makertechLabs®
3D Solutions

priZma³D
RESINAS PARA IMPRESSÃO 3D



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 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® BMD® Hemospon® makertechlabs®
3D Solutions

3D technology that transforms the future

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Biocompatible

Resins



prizma^{3D} BIO CROWN **DIAMOND**

Resin for 3D
printing of
definitive works

Printers: DLP | LCD

PriZma 3D Bio Crown Diamond is a high-tech 3D resin developed to meet the highest aesthetic and functional standards in printed prostheses.

With over 52% silanized ceramic fillers, this resin offers unmatched aesthetics, perfectly balancing opacity and translucency. Additionally, its fluorescence close to that of a natural tooth and high-precision translucent finish ensure impressive results.

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^{3D} **MAKEUP**

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



Colors:
Low translucency: DBL, DA1
Medium translucency: BL, A1, and A2
High translucency

priZma^{3D} BIO CROWN

Resin for 3D
printing of
long-term
crowns

Printers: DLP | LCD



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.

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.

With priZma Glaze you can guarantee even better results!



priZma^{3D} MAKEUP

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

BL | A1 | A2 | A3



priZma^{3D} 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.



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^{3D} BIO SPLINT SOFT

Resin for 3D
printing of
muscle
relaxant
plates and
splints

Printers: DLP | LCD



PriZma 3D Bio Splint Soft resin was specially developed for the manufacture of muscle relaxant splints using 3D printers. Its exclusive formulation ensures controlled flexibility, high resistance, and biocompatibility, providing patient safety and superior clinical results.

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^{3D} BIO SPLINT

Resin for 3D
printing of
myorelaxation
plates and
splints

Printers: DLP | LCD



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



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^{3D} 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.



Amber


priZma^{3D} 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



priZma^{3D} 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 denture bases.

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.

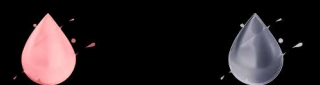


High durability:

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



Medium Pink | Colorless



Resins for General Use



priZma^{3D} WIDE

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

Printers: DLP | LCD



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.



High quality and
high precision



Low contraction



Great cost-benefit



Beige | Gray

priZma^{3D} MODEL 2.0

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

Printers: DLP | LCD



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.



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.

Main benefits



Sand

priZma^{3D} STANDARD

Resin for 3D
printing of
dental models
and general
prototyping

Printers: DLP | LCD



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

Available in white, gray and crystal.

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^{3D} GINGIVA

Resin for
3D printing
of gingiva
on models and dies

Printers: DLP | LCD



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



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.



priZma^{3D} 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.



Orange

priZma^{3D} CASTABLE II

Resin for 3D
printing for
casting and
injection

Printers: DLP | LCD



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.

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.



Green | Opaque Green



Complements



priZma^{3D} ALIGNER FILL

Light-curing
fluid resin filler
for pontics in
thermoplastic
aligners



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. Its offers a perfect fit without interfering with the movement of the aligner, making it an efficient solution for orthodontic treatments.



Exclusive and
Innovative



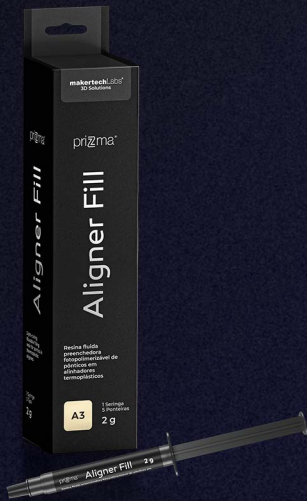
Corrects gaps without
compromising
movement



Comfortable
for the patient



Allows for a
perfect fit



Orthodontic
Solution

makertechLabs[®]
3D Solutions

priZma[®] Aligner Fill 2.9
Resina fluida preenchedora fotopolimerizável de ponticos e alinhadores termoplásticos
Resina fluida fotopolimerizable para relleno de ponticos e alineadores termoplásticos



priZma^{3D} 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



REG. ANVISA Nº: Produto isento de registro

REG. ANVISA Nº: PriZma 3D Glaze - 80322409025

PriZma 3D Makeup - 80322409026



For more information
[CLICK HERE](#)

prizma^{3D} REBASE

Resin for
rebasing 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



CMYK dye for
3D printing

priZma[®]
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](#)



CYANO



MAGENTA



YELLOW



BLACK



WHITE

priZma^{3D}
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^{3D}
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 Seal

For more information

[CLICK HERE](#)

PriZma Seal REG. ANVISA N°: 80483749001

PriZma Glaze REG. ANVISA N°: 80322409025

PriZma Glaze

For more information

[CLICK HERE](#)

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

How to calibrate the printer?

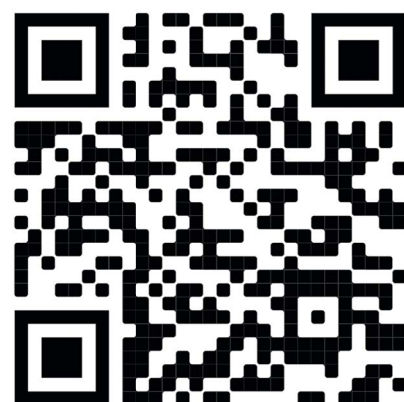


It is very important to print a
test file before printing!

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

