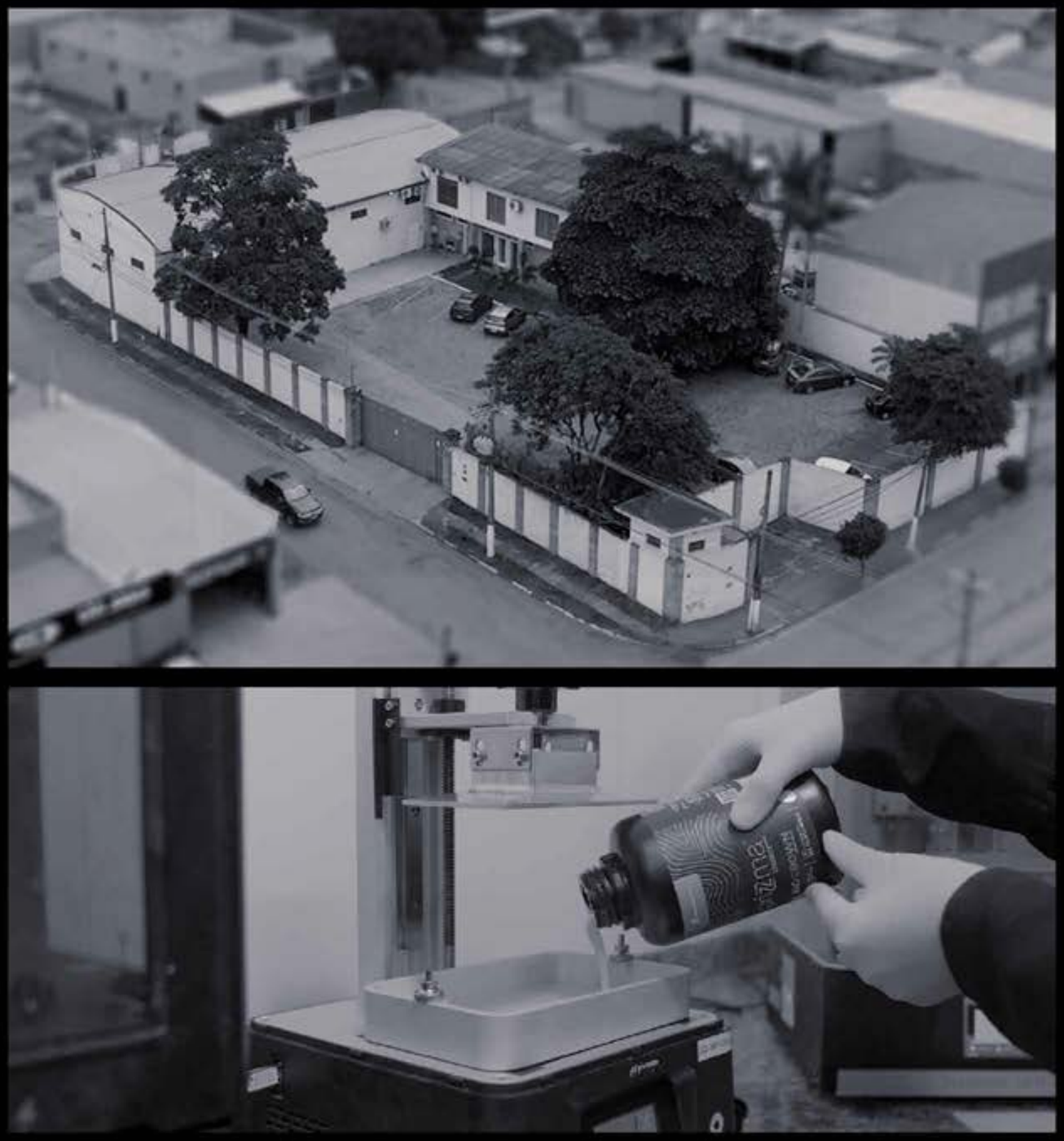
makertechLabs®
3D Solutions

prizma 3D

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

maquira® Dental Group

3D technology that transforms the future

makertechLabs
3D Solutions

Biocompatible

Resins

makertechLabs 3D Solutions

prizma 3D BIO CROWN DIAMOND

Resin for 3D printing of definitive works

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.

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.

Colors:
Low translucency: DBL, DA1
Medium translucency: BL, A1, and A2
High translucency: PE (Pearl Enamel)

ANVISA REG. No.: 80483749007

For more information
CLICK HERE

prizma MAKEUP

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

German Technology

priZma 3D

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.

With priZma Glaze you can guarantee even better results!

ANVISA REG. No.: 80483749005

For more information
CLICK HERE

BL | A1 | A2 | A3

German Technology

priZma 3D BIO PROV

Resin for 3D printing of provisional crowns

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.

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!

ANVISA REG. No.: 80483740002

For more information
CLICK HERE

makertechLabs 3D Solutions

A1 | A2 | A3 | B1 | BL

German Technology

priZma 3D

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 Glaze you can guarantee even better results!

Colorless

ANVISA REG. No.: 80483740001

For more information
CLICK HERE

German Technology

makertechLabs 3D Solutions

priZma 3D

BIO GUIDE

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

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.

Printers: DLP | LCD

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

ANVISA REG. No.: 80483740003

For more information
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German Technology

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prizma 3D

BIO ORTHO IBT

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

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.

Printers: DLP | LCD

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

ANVISA REG. No.: 80483740004

For more information
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German Technology

makertechLabs 3D Solutions

priZma 3D

BIO DENTURE

Resin for 3D printing of total prostheses

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.

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.

A1 | Medium Pink | Colorless

ANVISA REG. No.: 80483749004

For more information
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Resins for

General Use

priZma 3D
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**

ANVISA REG. No.: Product exempt from registration

For more information
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makertechLabs 3D Solutions

priZma 3D

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

Beige

ANVISA REG. No.: Product exempt from registration

For more information
CLICK HERE

prizma 3D 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.

Lilac | Sand

ANVISA REG. No.: Product exempt from registration

For more information
CLICK HERE

priZma 3D

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

White | Gray | Crystal

ANVISA REG. No.: Product exempt from registration

For more information
CLICK HERE

priZma 3D ORTHO

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

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

Printers: DLP | LCD

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.

ANVISA REG. No.: Product exempt from registration

For more information
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priZma 3D

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.

Pink

ANVISA REG. No.: Product exempt from registration

For more information
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prizma 3D

CASTABLE

Resin for 3D printing for casting and injection

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.

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.

Great burn:

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

Orange

ANVISA REG. No.: Product exempt from registration

For more information
CLICK HERE

makertechLabs 3D Solutions

prizma 3D 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.

Green | Opaque Green

ANVISA REG. No.: Product exempt from registration

For more information
CLICK HERE

makertechLabs
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Complements

prizma 3D

ALIGNER FILL

Orthodontic Solution

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

REG. ANVISA Nº: 80322400154

PriZma Seal
For more information
CLICK HERE

A1 | A2 | BL

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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: PriZma 3D Glaze - 80322409025
PriZma 3D Makeup - 80322409026

For more information
CLICK HERE

prizma 3D

REBASE

Innovative Product
Specific for use in
3D printing

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.

Colorless | A1

ANVISA REG. No.: 80322409016

For more information
CLICK HERE

makertechLabs 3D Solutions

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 Seal

For more information

CLICK HERE

PriZma Seal REG. ANVISA Nº: 80483749001

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 Glaze REG. ANVISA Nº: 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:

Sales: +55 (15) 99132-9289
Technical support: +55 (15) 99116-0827