

Straumann Group Resins
3D printing has never
been easier.



Diverse Indications – Straumann® Quality Every Time

P Pro Resins

P Pro resins are part of the Straumann CARES® validated workflow system for repeatable quality and accuracy. Material properties are preprogrammed into P Series Printer, Wash and Cure solutions for plug-and-play, user-friendly performance.

- Master model
- Ortho model
- Gingiva mask
- Cast
- Custom impression tray
- Surgical guide
- Try-in
- Crown and bridge for temporary restoration



PRO Resins Model X

This next-generation resin is designed for high-productivity printing and features a new chemical formulation. The result is high stability, enhanced texture, and ultra-smooth surfaces.

- Master model and die
- Pigmentless blue option for thermoforming release
- Evaluate crown and bridge designs
- Build up or characterize ceramics



GC Temp PRINT™

GC Temp PRINT™ is a biocompatible Class II material for temporary crowns, bridges, and full-arch temporary restorations for up to 180 days when attached to temporary cylinders. It is designed for use by DLP-based 3D printers.

- Full-Arch Immediate-Load Temporization
- Crowns
- Bridges



KeySplint Hard® and KeySplint Soft® Resins

Delivering quality and performance, these fully biocompatible resins feature a robust formulation, an extensive shelf life, and color stability. Used for bite splints.



Contact your local Straumann representative now or visit
www.straumann.us/3Dprinting | www.straumann.ca/3Dprinting

End-to-end digital workflow solutions

Supporting comprehensive patient care, Straumann Group provides access to a complete ecosystem of integrated digital solutions that can result in greater patient satisfaction and increased efficiency.^{1,2}

Solutions that are:
Customizable
Reproducible
Scalable



Scan. Design. Print.

CARES® P Series 3D printers.

Tailored to meet the demands of dental laboratories and clinical practices.

P Series is a new generation of precision 3D printers from Straumann Group Digital Solutions for fast and professional in-house production of premium-quality dental products, offering integration with our CARES® and coDiagnostiX® workflows. Robust, reliable and flexible, the P Series provides a new experience in professional dental printing in terms of speed, precision and open solutions. Gain access to a complete solution from printing to washing and curing.

P20+

The professional 3D printer system for clinicians

- For clinicians who want to start using 3D printing technology
- For clinicians who are ready to unlock the power of printing in-house
- Peace of mind with reproducible precision and high quality
- Easy-to-use, plug-and-play features



P Series printers are wi-fi enabled for remote troubleshooting.

Straumann Group Digital Services

Straumann® P Series are open 3D printers with integration with CARES® Visual, CARES® Visual Chairside and coDiagnostiX®.

Straumann® P pro resins

A range of available and planned resins:

- Master model
- Aligner model
- Gingiva mask
- Cast
- Indirect bonding tray
- Tray
- Surgical guide
- Bite splint
- Try in
- Denture base
- Crown & bridge temporary restorations



P30+ ASM 2.0

Fast, flexible and semi-automated 3D printing for dental labs

- For high productivity
- With high efficiency, reproducibility, precision and quality
- Temperature controlled resin reservoir for process stability and improved print-speeds
- Automated continuous printing w/ P30+ ASM 2.0



P50+

Scalable, with more automation and flexible volume production for dental labs

- For automation and continuous high-speed printing with automated print separation
- Large build plate facilitates multiple models per cycle
- Less interruption through mechanized resin monitoring and refill



Straumann® PRO Resins Model X

Professional next generation resin for high productivity 3D printing:

- Master model • Ortho model •
- Aligner model • Crown & bridge •
- Gingiva mask



Learn more about
Straumann P pro Materials



US



CA

PRO Resins Model X

for master model, ortho model, and models to create aligners.

Newly developed resins for professional performance and high-quality results.



Note: Blue coloration is intended for use in the production of ortho models and for thermoforming.

Production in 3 Steps

1 Print

Print on your P series 3D printer

2 Clean

Clean on your Straumann® P wash with isopropanol

3 Cure

Cure in Straumann P cure under vacuum or protective gas

	PRO Resins Model X
Available for	P20+, P30+, P50+
Elasticity	~2021 – 2100 MPa
Flexular strength	~50 – 51 MPa
Color	Blue, Dark Beige, Grey, Ivory
Article numbers	019.3213, 019.3210, 019.3212, 019.3211

P pro Gingiva Mask Pink

for gingiva masks.

Produce in-house gingiva masks, tailored for your dental master model. Design easily with Straumann® CARES® Visual to get the right fit and an aesthetic and anatomically correct part.



	P pro Gingiva Mask
Available for	P20+ and P30+
Characteristics	Flexible, elastic and soft material
Color	Pink
Article number	019.3033 1000g

Production in 3 Steps

1 Print

Print on your P series 3D printer

2 Clean

Clean on your Straumann P wash with isopropanol

3 Cure

Cure in Straumann P cure under vacuum or protective gas

P pro Crown & Bridge

Professional 3D printing resin for manufacturing a temporary anterior or posterior restoration.

Create high quality temporary restorations with P pro Crown & Bridge. This material offers a quick and easy way to produce functional and aesthetic single crowns, bridges, onlays and veneers. Use **Straumann® CARES® Visual** to create designs compliant to regulatory requirements.



	P pro Crown & Bridge
Available for	P20+, P30+, P50+
Elasticity	~5000MPa
Flexular strength	~100MPa
Color	A1, A2 or A3
Article numbers	A1 019.3062 1000g, A2 019.3065 1000g, A3 019.3068 1000g

Production in 4 Steps

1 Print

Print on your P series 3D printer

2 Clean

Centrifuge the part to get rid of excess resin

3 Cure

Cure in Straumann P cure under vacuum or protective gas

4 Finish

Finish by grinding and polishing the details

Disclaimer: Always consider the instruction of use (IfU) of the legal manufacturer before usage.

Disclaimer: Always consider all secondary product documentation by Straumann to produce a validated product. Ask your local Straumann organization for the product documentation or check the Straumann knowledge center on your P series 3D printer

Disclaimer: Not validated for the use on implants

Disclaimer: Availability dependent on clearances supplied by local regulatory bodies.

P pro Surgical Guide

for dental surgical guides.

Begin your journey to a plaster free workflow with the number one Straumann recommended solution for the in-house production of surgical guides. P pro Surgical Guide can be sterilized with an autoclave and polished to become crystal clear when produced with a Straumann® CARES® P series, a P wash and P cure. Design your surgical guides with coDiagnostiX® to ensure the correct placement of your implants.



	P pro Surgical Guide Clear
Available for	P20+, P30+, P50+
Elasticity	~2000MPa
Flexular strength	~80MPa
Color	Clear
Article number	019.3043 1000g

Production in 4 Steps

1 Print

Print on your P series 3D printer

2 Clean

Clean on your Straumann P wash with isopropanol

3 Cure

Cure in Straumann P cure under vacuum or protective gas

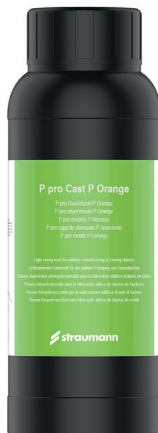
4 Sterilize

Sterilize with an autoclave (recommended)

P pro Cast M & P Resins

for printing cast patterns of dental frameworks & prosthetics.

Use any CAD software to design your framework and print it with P pro Cast M. For prosthetic casts, P pro Cast P. P pro Cast M offers you a way to increase productivity while freeing-up time for you and your team.



	P pro Cast M & P Resins
Available for	P20+ and P30+
Characteristics	Solid, wax-like material when printed
Color	Orange
Article numbers	M 019.3106 1000g, P 019.3104 1000g

Production in 3 Steps

1 Print

Print on your P series 3D printer

2 Clean

Clean on your Straumann P wash with isopropanol

3 Cure

Cure in Straumann P cure under vacuum or protective gas

P pro Try-in

Professional 3D printing resin for manufacturing a dental try-in.

P pro Try-in resin - the ideal way to create try-ins and validate the aesthetic outcome of your digital model designs without the mess of the traditional plaster solutions.



	P pro Try-in
Available for	P20+, P30+, P50+
Elasticity	~2000MPa
Flexular strength	~80MPa
Color	white
Article number	019.3117 1000g

Production in 3 Steps

1 Print

Print on your P series 3D printer

2 Clean

Clean on your Straumann P wash with isopropanol

3 Cure

Cure in Straumann P cure under vacuum or protective gas

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P pro Impression Tray Green

Professional 3D printing resin for manufacturing of dental impression trays.

Produce customized dental impression trays for every situation with P pro Impression Tray Green resin. This solution offers you an easy way to design models in a suitable CAD application and produce them on your Straumann® CARES® P series 3D printer.



	P pro Try-in
Available for	P20+, P30+, P50+
Elasticity	~2000MPa
Flexular strength	~80MPa
Color	green
Article number	019.3130 1000g

Production in 3 Steps

1 Print

Print on your P series 3D printer

2 Clean

Clean on your Straumann P wash with isopropanol

3 Cure

Cure in Straumann P cure under vacuum or protective gas

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P pro Master Model

for dental master models.

Produce dental master models with Straumann® P pro Master Model dark beige and P pro Master Model grey. Use Straumann® CARES® Visual model to create validated models and stumps for all dental applications.



	P pro Master Model Dark Beige	P pro Master Model Grey
Available for	P20+, P30+, P50+	
Elasticity	~1500MPa	
Flexular strength	~80MPa	
Color	Beige	Grey
Color	019.3001 1000g	019.3004 1000g

Production in 3 Steps

1 Print

Print on your P series 3D printer

2 Clean

Clean on your Straumann P wash with isopropanol

3 Cure

Cure in Straumann P cure under vacuum or protective gas

KeySplint Hard[®] and KeySplint Soft[®] Resins

for bite splints.

Delivering quality and performance, these fully biocompatible resins feature a robust formulation, extensive shelf life, and color stability.



Production in 3 Steps

1 Print

Print on your P series 3D printer

2 Clean

Clean on your Straumann P wash with isopropanol

3 Cure

Cure in Straumann P cure under vacuum or protective gas

	KeySplint Hard [®]
Available for	P20+ and P30+
Elasticity	~1500 MPa
Flexular strength	~50 MPa
Color	Light Violet, Translucent
Article numbers	US4200004 1kg CA4220004 1kg

	KeySplint Soft [®]
Available for	P20+, P30+, P50+
Elasticity	~750 – 1500 MPa
Flexular strength	~30 MPa
Color	Light Violet, Translucent
Article numbers	KeySplint Soft 0.5kg 4200005 KeySplint Soft 1kg 4220005

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Disclaimer: Availability dependent on clearances supplied by local regulatory bodies.

GC Temp PRINT™

for full-arch immediate-load temporization, crown, and bridge.

This biocompatible Class II material is used for up to 180 days when attached to temporary cylinders and is designed for use by DLP-based 3D printers.



	GC Temp PRINT
Available for	P20+, P30+
Flexural strength	~90 MPa
Color	Light, Medium
Article numbers	Light 500 ml US901595, CA 901595 Medium 500 ml US901596, CA901596

Production in 3 Steps

1 Print

Print on your P series 3D printer

2 Clean

Clean on your Straumann P wash with isopropanol

3 Cure

Cure in Straumann P cure under vacuum or protective gas

References

- 1.) de Oliveira NRC, Pigozzo MN, Sesma N, Laganá DC. Clinical efficiency and patient preference of digital and conventional workflow for single implant crowns using immediate and regular digital impression: A meta-analysis. Clin Oral Implants Res. 2020;31(8):669-686. <https://doi.org/10.1111/clr.13604>
- 2.) Joda T, Ferrari M, Gallucci GO, Wittneben JG, Brägger U. Digital technology in fixed implant prosthodontics. Periodontol 2000. 2017;73(1):178-192. <https://doi.org/10.1111/prd.12164>

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