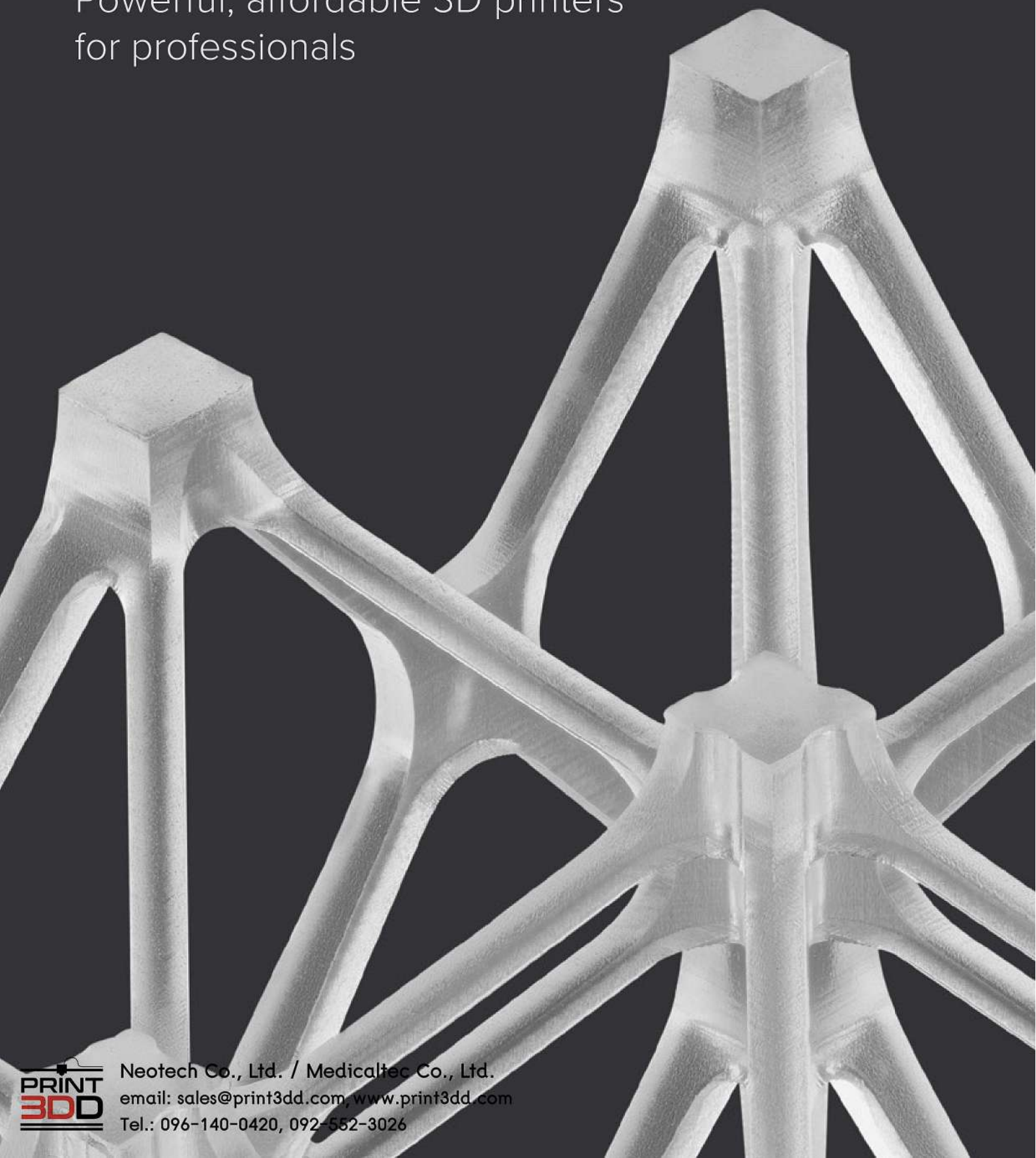


formlabs 

Product Catalogue

Powerful, affordable 3D printers
for professionals



Neotech Co., Ltd. / Medicaltec Co., Ltd.
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We're Reinventing 3D Printing



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Formlabs designs and manufactures powerful and accessible 3D printing systems.

Headquartered in Boston with offices in Germany, Japan, and China, the company was founded in 2011 by a team of engineers and designers from the MIT Media Lab and Center for Bits and Atoms.

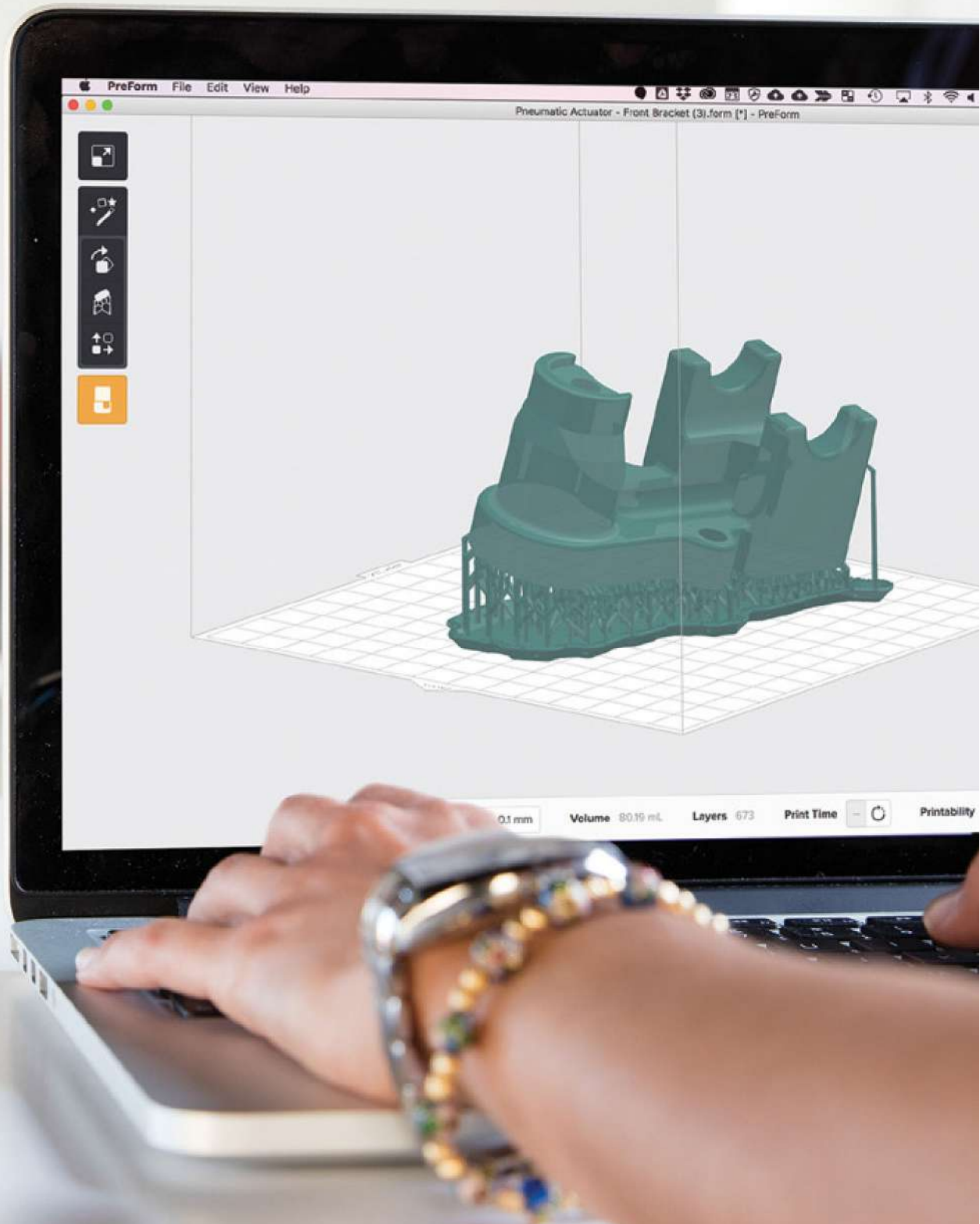
Formlabs is establishing the industry benchmark for professional 3D printing for engineers, designers, and manufacturers around the globe, and accelerating innovation in a variety of industries, including education, dentistry, healthcare, jewelry, and research.

Formlabs products include the Form 2 3D printer, Fuse 1 3D printer, Form Cell manufacturing solution, and Pinshape marketplace of 3D designs. Formlabs also develops its own suite of high-performance materials for 3D printing, as well as best-in-class 3D printing software.



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PreForm Software



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PreForm prepares your 3D models for printing on your Formlabs printer, giving you the freedom to focus on creating. Get your model ready in minutes, upload to your printer, and let it build.

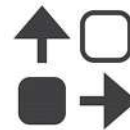
PreForm's One-Click Print offers an option for automatically orienting, supporting, and laying out your models. Sending your print is quick and convenient. You can select multiple printers and easily upload your print with PreForm's wireless connectivity feature.

Now supporting five languages: English, German, French, Japanese, and Chinese.



Untethered Printing

Upload to your Form 2, disconnect, and let it build.



Auto-Orientation

PreForm positions your models for the most effective printing.



Support Structures

Smart support structure generation ensures a clean print.



Layout Tools

Import, duplicate, align, and resize your digital models.



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Form 2

The Most Advanced Desktop
3D Printer Ever Created



BASIC PACKAGE

Each Form 2 stereolithography (SLA) 3D printer comes with a resin tank, wiper, build platform, PreForm print preparation software, and printer and material management via your online Dashboard. This package includes:

- 1 Form 2 3D Printer
- 1 Resin Tank
- 1 Build Platform
- 1 Finish Kit
- PreForm Software
- One-Year warranty



COMPLETE PACKAGE

An end-to-end printing and post-processing package with the support you need to print successfully. Includes everything in the Basic Package, plus:

- 1 L Standard Resin
- 1 Form Wash
- 1 Form Cure
- 1 Year Pro Service Plan



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Post-Processing



FORM WASH

Form Wash automates the print washing process for consistent, thorough, no-mess cleaning. Parts can be transferred directly from the printer to Form Wash, still on the build platform, or removed and placed in the basket.



FORM CURE

Post-curing maximizes material properties for Stereolithography prints, improving parts' strength and performance. Form Cure precisely combines temperature and 405 nm light to consistently post-cure Form 2 prints.



FINISH KIT

The finishing tray and accessories package helps keep your workspace clean and organized while putting the finishing touches on your masterpiece.



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Accessories



RESIN TANK

The Resin Tank blocks light and is made from shatter-resistant polycarbonate. It comes with a reusable lid and wiper, making it easy to stack tanks and store resin outside of the machine.



RESIN TANK LT

Resin Tank LT is suited for long term use and rigorous, high volume printing, with a 20x longer lifetime, more accurate printer detection, anti-spill geometry, and easier wiper release for streamlined workflows.



BUILD PLATFORM

A spare build platform can speed up your workflow, whether you're changing resins or starting a new print while you remove your part.



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Resin Library



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Standard Resins



GREYSCALE



BLACK RESIN 1L

Black Resin is formulated for models with very small features and intricate details.

PRINT RESOLUTIONS: 100, 50, and 25 microns.



GREY RESIN 1L

Grey Resin is perfect for general purpose prototyping and design, excellent for capturing small details.

PRINT RESOLUTIONS: 100, 50, and 25 microns.



WHITE RESIN 1L

White Resin captures smooth surfaces and details, making it great for presentation-ready pieces or as a base for painted prints.

PRINT RESOLUTIONS: 100 and 50 microns.



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CLEAR



CLEAR RESIN 1L

Clear Resin polishes to near optical transparency, making it ideal for working with light or showcasing internal features.

PRINT RESOLUTIONS: 100, 50, and 25 microns.

COLOR KIT



COLOR KIT

Each Color Kit contains one cartridge color base and five color pigments. Use Color Kit to mix and print matte, opaque parts in a range of colors.

PRINT RESOLUTIONS: 100, 50, and 25 microns.



COLOR BASE 800 ML

Each cartridge of Color Base can be mixed with 100 mL of Color Pigment to create a unique Color Resin.



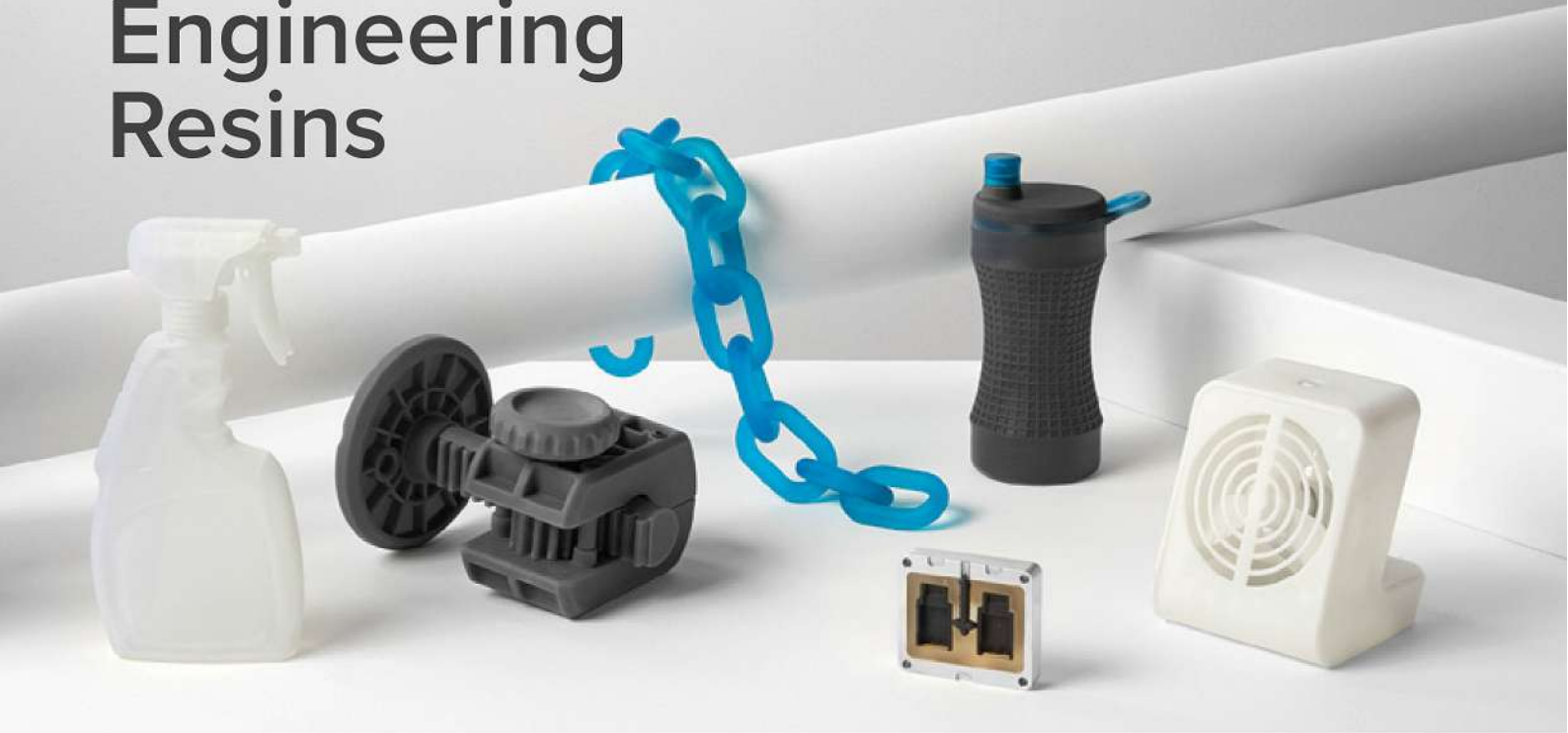
COLOR PIGMENT

Pigments for mixing are available in Cyan, Magenta, Yellow, Black, and White. Each package contains a pigment bottle and a 10 mL syringe for easy mixing.



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Engineering Resins



GREY PRO RESIN 1L

Grey Pro Resin offers high precision, moderate elongation, and low creep. This material is great for concept modeling and functional prototyping, especially for parts that will be handled repeatedly. Post-curing recommended.

PRINT RESOLUTIONS: 100, 50, and 25 microns.



RIGID RESIN 1L

Rigid Resin is reinforced with glass to offer very high stiffness and a polished finish. This material is highly resistant to deformation over time and is great for printing thin walls and features. Post-curing recommended.

PRINT RESOLUTIONS: 100, 50, and 25 microns.



DURABLE RESIN 1L

With low modulus, high elongation, and high impact strength, Durable Resin produces parts with a smooth, glossy finish and high resistance to deformation. Use this material for applications requiring minimal friction. Post-curing recommended.

PRINT RESOLUTIONS: 100 and 50 microns.



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TOUGH RESIN 1L

Tough Resin balances strength and compliance, making it the ideal choice for prototyping strong, functional parts and assemblies that will undergo brief periods of stress or strain. Post-curing recommended.

PRINT RESOLUTIONS: 100 and 50 microns.



FLEXIBLE RESIN 1L

Use Flexible Resin to produce parts that bend and compress. Flexible is excellent for simulating soft-touch materials and adding ergonomic features to multi-material assemblies. Post-curing recommended.

PRINT RESOLUTIONS: 100, 50, and 25 microns.



HIGHT TEMP RESIN 1L

High Temp Resin has a heat deflection temperature (HDT) of 289 °C @ 0.45 MPa—the highest on the 3D printing materials market. Use it to print models for environmental testing or molds and masters for casting and thermoforming. Post-curing recommended.

PRINT RESOLUTIONS: 100, 50, and 25 microns.



Dental Resins



SPECIALIZED RESINS



DENTAL MODEL RESIN 1L

Dental Model Resin is a high performance material for crown and bridge models with removable dies. Use with 25 micron print settings for maximum accuracy. Requires post-cure.

PRINT RESOLUTIONS: 100, 50, and 25 microns.



DENTAL SG RESIN 1L

Dental SG is a Class 1 biocompatible resin (EN-ISO 10993-1:2009/ AC:2010, USP Class VI) designed to directly print surgical and pilot drill guides. Requires post-cure.

PRINT RESOLUTIONS: 50 microns.



DENTAL LT CLEAR RESIN 1L

Dental LT Clear is a Class IIa biocompatible resin with high fracture and wear resistance that is ideal for splints, retainers, and other direct-printed orthodontic devices. Requires post-cure.

PRINT RESOLUTIONS: 100 microns.



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OTHER RESINS FOR DENTISTRY



STANDARD GREY RESIN 1L

Standard Grey Resin is ideal for a variety of dental applications, including orthodontic, diagnostic, and educational models, as well as for vacuum-forming aligners or other appliances.

PRINT RESOLUTIONS: 100, 50, and 25 microns.



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Jewelry Resins



SPECIALIZED RESINS



CASTABLE WAX RESIN 1L

A 20% wax-filled photopolymer for reliable casting with zero ash content and clean burnout, Castable Wax accurately captures intricate features and offers the smooth surfaces stereolithography 3D printing is known for. Printed parts are suitable for custom try-ons and direct investment casting.

PRINT RESOLUTIONS: 50 and 25 microns.



CASTABLE RESIN 1L

Our original formulation for direct investment casting. This pure polymer requires an alternate burnout to a typical wax schedule. Post-curing recommended.

PRINT RESOLUTIONS: 100, 50, and 25 microns.



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HIGH TEMP RESIN 1L

High Temp Resin is designed for precision and is strong enough to withstand the temperatures and pressures of vulcanized rubber molding. It is also suitable for RTV. Post-curing recommended.

PRINT RESOLUTIONS: 100, 50, and 25 microns.



STANDARD GREY RESIN 1L

Standard Grey Resin's matte finish shows details exceptionally well, making it ideal for rapid and cost-effective jewelry prototyping. Robust enough for clients and staff to handle without fear for fitting pieces. Standard Resin is also available in Black, White, and Clear.

PRINT RESOLUTIONS: 100, 50, and 25 microns.



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