

XYZprinting Printing Material

UV Resins



Material	Standard Resin (A1)	Flexible Resin (B1)	Standard Resin (E1)	Castable Resin (F1)
Color	Clear Blue Magenta White Grey* <small>*Only for Nobel 1.0</small>	Clear	Clear Purple	Yellow
Compatible Printer	Nobel 1.0 Nobel 1.0A	Nobel 1.0A	Superfine	Nobel 1.0A* <small>*Q4 Available</small> Superfine
Application	Prototypes and general application	Soft material for ergonomic prototyping or tactile interfaces.	Prototypes and general application.	Wax-like material, for lost-wax casting applications.



Material	Biomedical Resin (G1)	Rigid Resin (D1)	Tough Resin (D2)	Castable Resin (C1)
Color	Clear	Clear	Green	Orange
Compatible Printer	Superfine	Nobel 1.0A	Nobel 1.0A	Nobel 1.0A
Application	Biocompatible material with FDA class I listed.	Stiff and strong, for thinshell structures.	Features outstanding compression strength, ideal for fit test and assembly prototypes.	Wax-like material, for lost-wax casting applications.

*Product features, price and specification are subject to change without notice.



About us

Founded in 2013 by electronics conglomerate, New Kinpo Group, XYZprinting is on an ambitious mission to integrate 3D printing into our offices, schools and homes for use in daily life.

3D printers for everyone

With a focus on developing high-quality affordable, accessible and easy-to-use 3D printers and peripherals, XYZprinting has experienced rapid growth to become the world's largest 3D printer manufacturer, covering more than a fifth of the global market. We have offices across Europe, the US, Japan, Thailand, China, South Korea and Taiwan, with more on the way.

8,500 engineers, one vision

Our worldwide R&D team consists of an incredible force of more than 8,500 engineers, working tirelessly to break down the barriers to 3D printer ownership. Coupled with XYZprinting-owned factories, their unrivalled expertise enables us to quickly implement the latest trends and technologies, and develop the most advanced consumer-grade, professional and industrial 3D printer product ranges on the market, all while maintaining our unbeatable prices.

Want to know more? Contact us at infoeu@xyzprinting.com or get in touch with one of our authorised resellers who will be happy to answer your questions.

XYZprinting Netherlands B.V.

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3D Printer for Professionals

Nobel 1.0A | Nobel Superfine | UV Curing Chamber

Better Equipment, Better Precision

Nobel 1.0A SL Laser 3D printer has an enhanced Laser Scanning System that improves the precision of the engine's laser to 130 microns X/Y resolution and up to 25 micron layer thickness. The LSU results in higher accuracy for spectacular complex and intricate details.

Smart Integration Easy and Hassle-Free Operations

Nobel 1.0A monitors the printing process and displays the remaining amount of resin at any time. The printer has an auto-filling resin system to ensure that users have the proper amount of resin before every print.
 ※ XYZware_Nobel software has improved slicing speeds by 20% and is able to automatically analyze the features of the model and add support structures where necessary.



Different Materials for More Versatile Applications

The Nobel 1.0A is compatible with various resin materials, such as multi-colored acrylic resins, flexible resin, and castable resin. Each of these resins provide their own unique application, from creating durable prototypes to creating castable jewelry.

It's All in the Details

The Nobel Superfine is a Vat Photopolymerisation 3D printer that has the Z-axis resolution of 25 microns and a build time of only 2.8 cm/hr. It allows users to print more intricate designs at a faster rate.

Push the Boundaries of 3D Printing

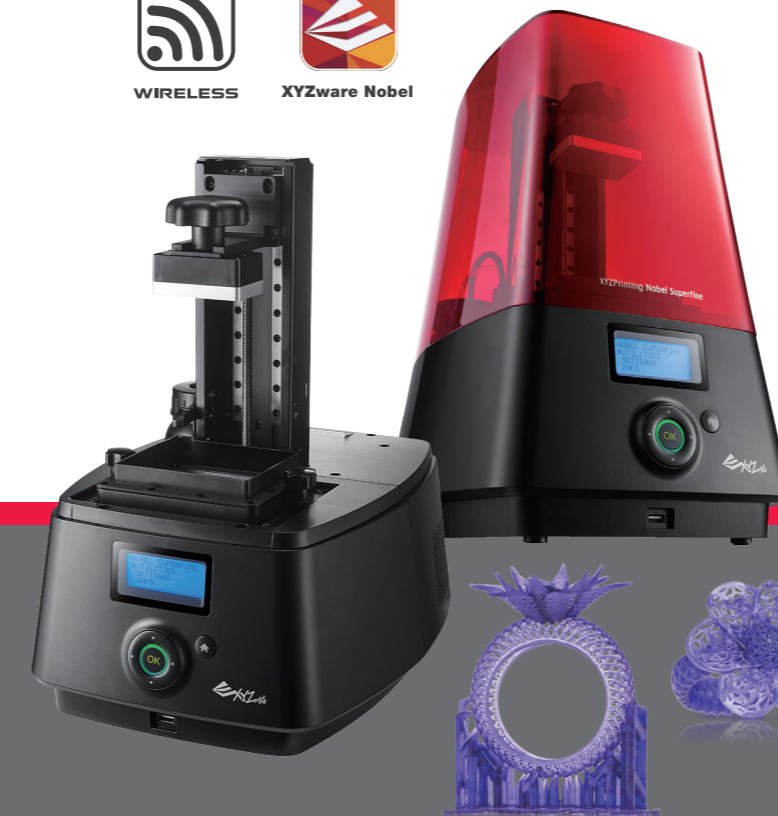
The Nobel Superfine is compatible with various resin materials ranging from acrylic resins and castable resins that are perfect for the jewelry and dentistry industries. With more choices for materials, the Nobel Superfine allows industry experts to be more versatile with their creations.

Wide Range of Software Support

To ensure that objects can be printed with accuracy and integrity, XYZware_Nobel offers a powerful algorithm for the automatic creation of the support structures. Users can also transmit .STL files to print via wireless connectivity, providing added convenience to get started on your projects faster.

The Most Affordable High-Resolution 3D Printer on the Market

The XYZprinting Nobel Superfine is the most affordable high-resolution 3D printer offers great speed, unparalleled precision, and is compatible with various resin materials. It's quality and affordability will ensure a great 3D printing experience.



360° Curing Design To Enhance Durability

XYZprinting UV Curing Chamber features turntable and reflective inner mirror. The UV device outputs steady, focused and consistent UV lights to cure the printouts from photopolymer resins 360° in a short period. The post curing process increases the hardness and durability of the printed products.

UV LED Light Ensures Green and Great Experience

Comparing to the mercury lamp of other UV curing products, XYZprinting UV curing chamber uses UV LED diodes. The light source produces no ozone, which is much more environment-friendly and energy-saving. The lamp life lasts much longer than mercury or metal halide lamps, ensuring the best user experience.

Versatile Compatibility for All Professionals

XYZprinting UV Curing Chamber is with CE certified worldwide. UV LED wavelength ranges 375-405nm. It is compatible with resin printed products of most SL 3D printers in the market.



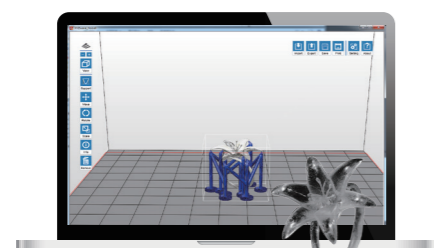
Nobel 1.0A SL LASER 3D PRINTER

Nobel Superfine UV 3D Printer using DLP® technology

UV Curing Chamber



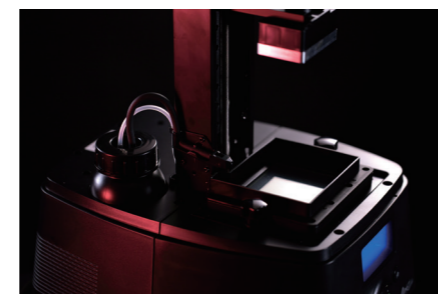
Various resin - General / Castable / Flexible



Smart Support Function on Print Software



Auto-filling Resin System



Refill via Operation Panel



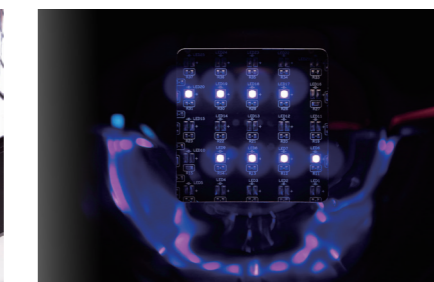
Various resin - General / Castable



Print via WiFi



Post-cure Prints for Optimal Results



UV LED Wavelength Ranges 375-405nm



Max Curing Size Reaches Ø180 x H200 mm

Nobel 1.0A			
Print Tech.	SLA	Light Source	UV Laser 405nm
Dimensions (WxDxH)	28 x 34.5 x 59 cm	Z coordinate	Z-Axis and Vat
Maximum Build Volume (WxDxH)	12.8 x 12.8 x 20 cm	Panel UI	2.6" FSTN LCM
XY scanning	LSU (Laser Scanning Unit)	Interface	USB Cable / USB Driver
XY resolution	130 microns	Input File format	.stl/XYZ format (.3ws, .3wn)
Z resolution	25 / 50 / 100 microns	Material	Standard Resin Castable Resin Flexible Resin

Nobel Superfine			
Print Tech.	DLP	Light Source	UV Laser 405nm
Dimensions (WxDxH)	29 x 35 x 42.4 cm	Z coordinate	Z-Axis and Vat
Maximum Build Volume (WxDxH)	6.4 x 4.0 x 12 cm	Panel UI	2.6" FSTN LCM
XY scanning	DMD	Interface	USB Cable / USB Driver / Ethernet
XY resolution	50 microns	Input File format	.stl/XYZ format (.3ws, .3wn)
Z resolution	25 / 50 / 100 microns	Material	Standard Resin Castable Resin Biomedical Resin

UV Curing Chamber			
Light source	UV LED λ 375 - 405 nm	Cure Time	1 - 60 minutes (Timer included)
UV LED lamp power	16 Watt	Dimensions	25.5 x 25.5 x 35.2 cm
Max. Curing Size	Ø180 x H200 mm	Net Weight	4kg
Turntable payload (Max.)	1.5 kg	Compatible Material	Photopolymer Resin
		Power Adapter	DC IN 24V 2.5A

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