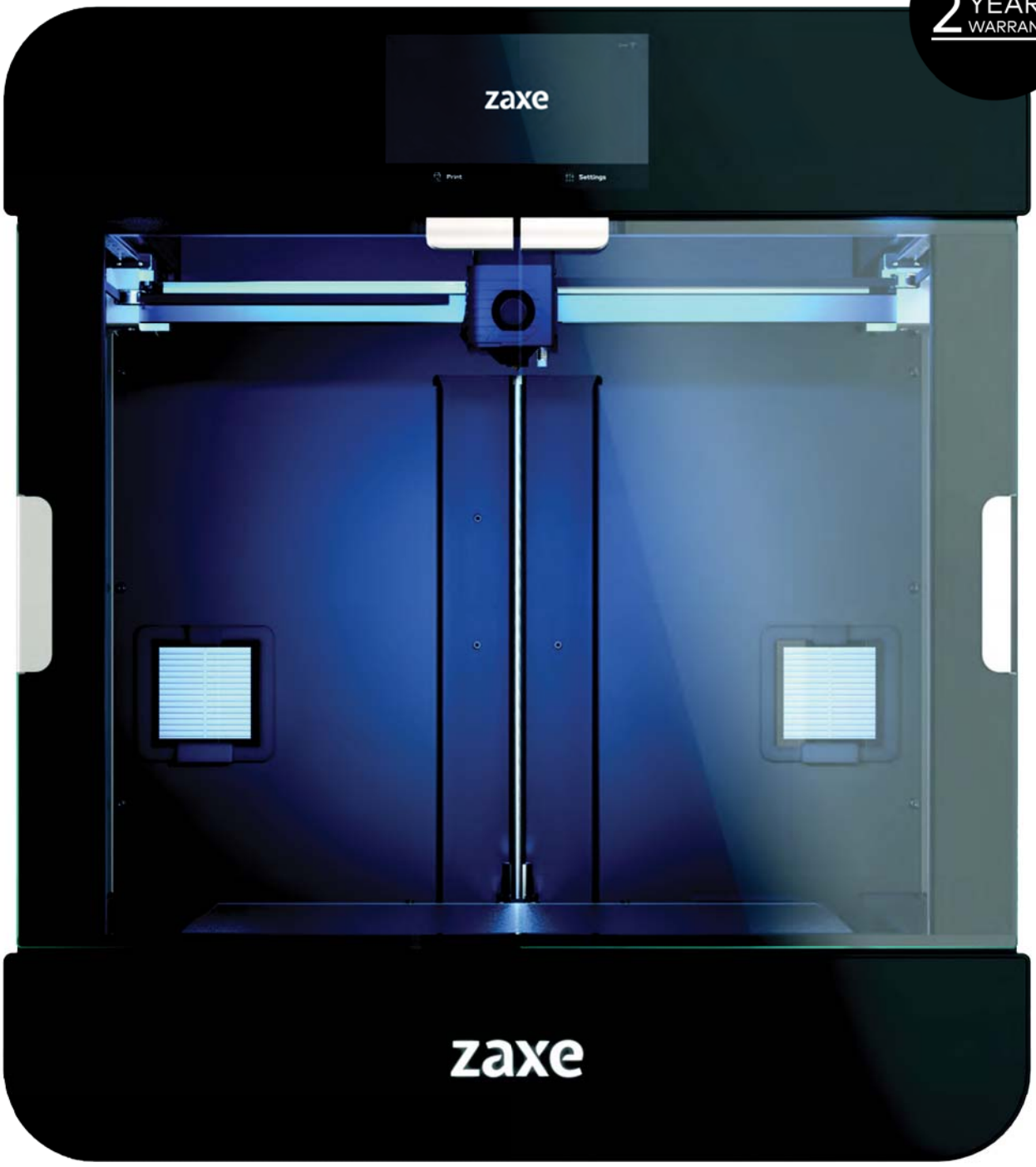
zaxe

The New Z3S

2 YEARS WARRANTY



For People Who Produce

WORLD RENOWN RELIABILITY

As an organization that is aiming to change the industry, Zaxe has been making big moves to open up to the global market on a larger scale. You can already find Zaxe 3D printers in 13 countries including Germany, the UK and Canada. We are in constant communication with representatives from different countries to widen our network and we are only getting started.

ATTENTIVE CUSTOMER SUPPORT

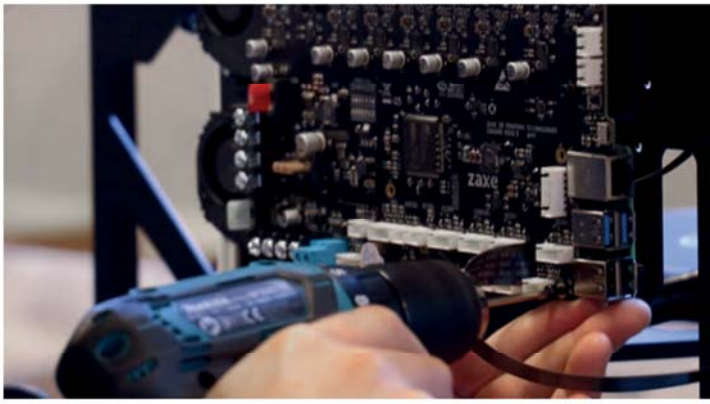
Here at Zaxe we belive in being honest and accessible to people who use our 3D printers. We stand behind every single printer we have produced including the legacy models. You can call us anytime you want to get your questions answered and problems solved. Every employee at Zaxe has the knowledge and experience to help you with your issues.

SUPPORT FOR MANUFACTURERS

Zaxe as a company wants to make 3D printing prevalent in different industries. As manufacturers ourselves, we want to make the process easier and more productive for other manufacturers. We love hearing stories of our 3D printers helping out different businesses in unique ways and want to spread the world about additive manufacturing to other industries.

TECHNOLOGY PRODUCTION

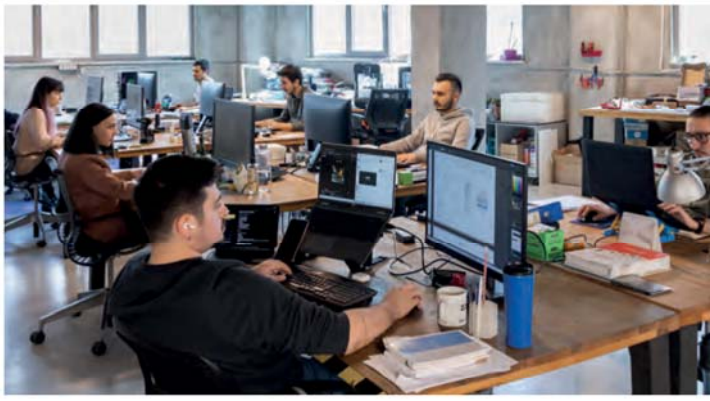
Here at Zaxe, we make an effort to be a fully self-sufficient operation. All the hardware, software and designs we offer are created by our team of professional developers, engineers and designers. Each product we design is entirely owned by Zaxe.



We believe having more control over the design and manufacturing process of our products helps us maintain a high standart of quality. Each project we work on, we try to achieve a new level of performance and efficiency.

RESEARCH AND DEVELOPMENT

Zaxe houses a world-class R&D team with expertise in the additive manufacturing field. New products are developed by our engineers every day and there is always a push for improvement. Innovation is a valuable commodity here at Zaxe.



Our R&D department houses talented designers and engineers who aim to create the most comfortable 3D printing experience a user can ask for. Team members work in close proximity to each other and are in constant cooperation to create an agile operation.

IN-HOUSE QUALITY CONTROL

What makes our 3D printers so special is the extensive care each product receives before shipment. Firstly, the parts we use to make our 3D printers are tested individually for any minor imperfections. If they are given the okay by our specialists the assembly stage begins. The assembly phase is monitored by our team to make sure the process goes smoothly.

After the assembly stage is over our 3D printers are observed in a working environment for mechanical and electrical imperfections. Each sensor and port is tested for performance and the last stage of quality control begins. Our printers are expected to print a complex model perfectly to make sure that the performance is up to the Zaxe standards.

Only when the quality control process is over, 3D printers are carefully packaged and shipped to our customers.

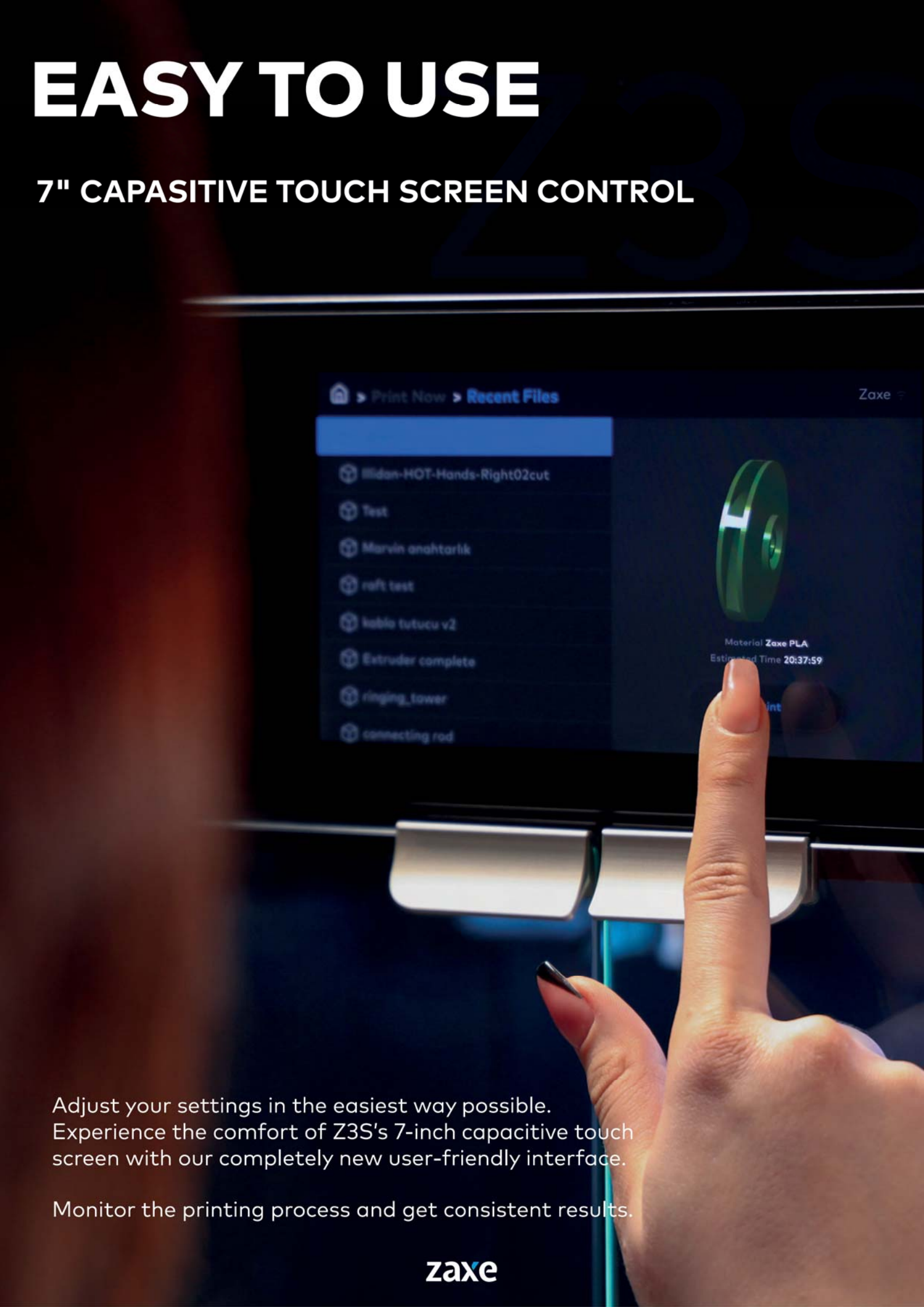
zaxe Z3S

Printer Size (WxLxH)	585 x 665 x 667 mm
Print Volume	400 x 300 x 350 mm
User Panel	7" Capacitive Touch Screen
Layer Thickness	25-600 Micron
Print Head	E3D Revo High Flow Hotend
Print Area	Closed, Heat Insulated
Print Head Temp.	Max. 300°C
Bed Max. Temp.	110°C
Nozzle Diameter	0,25/0,40/0,50/0,60 mm
Calibration	Full Automatic
Power Outage Protection	Yes

Filament Sensor	Yes
Filament Diameter	1,75 mm
Supported Formats	.stl, .obj, .3mf, .x3d, .zaxe
Connection Options	Wi-Fi, Ethernet, USB, Flash Disk
Filter	Hepa+Carbon Filter
Warranty Period	24 Mounths (Depending on the country)
Printing Table	Double sided magnetic PEI sheet
Filament Types	PLA, ABS, PETG, FLEX, *PET-CF15,* Carbon Fiber filament and all the abrasive filaments. *with Revo ObXidian Nozzle

EASY TO USE

7" CAPASITIVE TOUCH SCREEN CONTROL



Adjust your settings in the easiest way possible.
Experience the comfort of Z3S's 7-inch capacitive touch screen with our completely new user-friendly interface.

Monitor the printing process and get consistent results.

zaxe

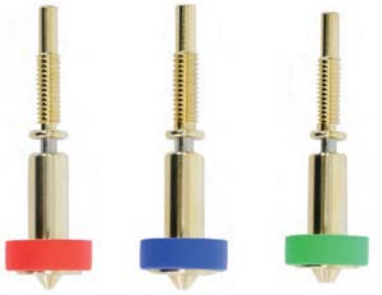
E3D REVO HIGH FLOW PRINTHEAD

Achieve optimal speed with E3D Revo Highflow update! E3D prolongs your Z3S service life and allows you to rapid nozzle change at the same time. You get four times faster performance, your printing time will significantly shorten.

PLA, ABS, PETG,PETCF-15, ASA and many more filaments can be printed with E3D nozzle assurance.

NOZZLE OPTIONS

Zaxe offers several nozzle sizes like 0,4mm, 0.6mm, 0,8mm. You can achieve precision and resolution using the 0,4mm nozzle or heighten the production speed by using a bigger nozzle size. Have the freedom of choice over every aspect of your production line and print at your own pace.



0,40mm 0,60mm 0,80mm

HIGH-END PRINT HEAD

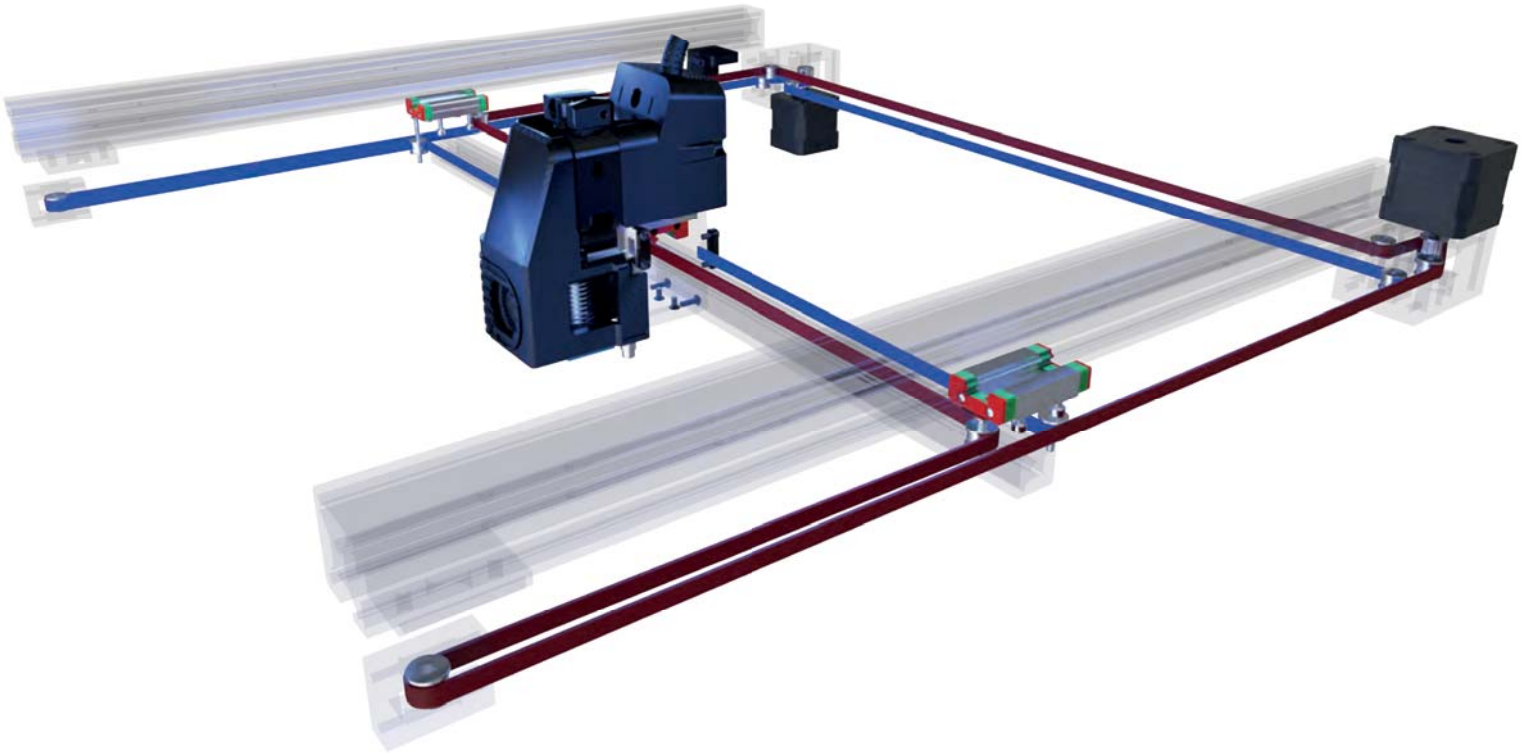
An innovative design meets quality materials to create the perfect print head. Thanks to Bondtech Gears and E3D Extrusion Systems that we are using, you can expect perfect results in every print.

CLOG FREE HIGH QUALITY RESULTS

The new generation of E3D Revo High Flow Printhead ensures that your printing process will go smoothly without the fear of clogging.

CORE XY MECHANICS

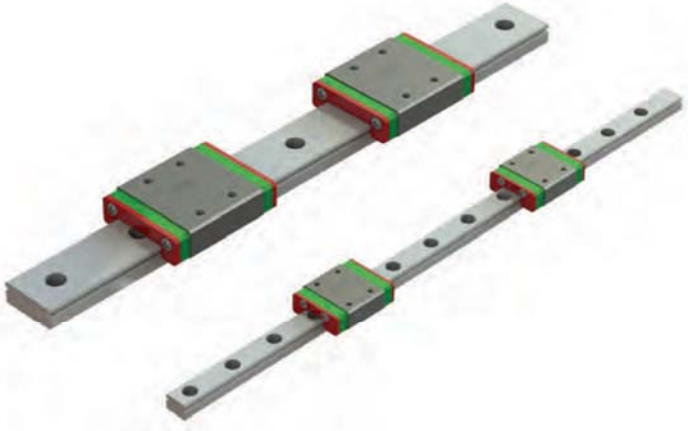
THE LATEST MILESTONE IN PRECISION, POWER AND SPEED



GET A FAST AND SMOOTH PRINTING EXPERIENCE WITH Z3S'S NEW CORE XY MECHANICAL STRUCTURE

Professional results with tolerance precision. Thanks to the strong and stable mechanical structure of the Core XY system, you will get a quiet and consistent printing experience every time you use your 3D printer.

Zaxe products are now more precise and faster than ever.

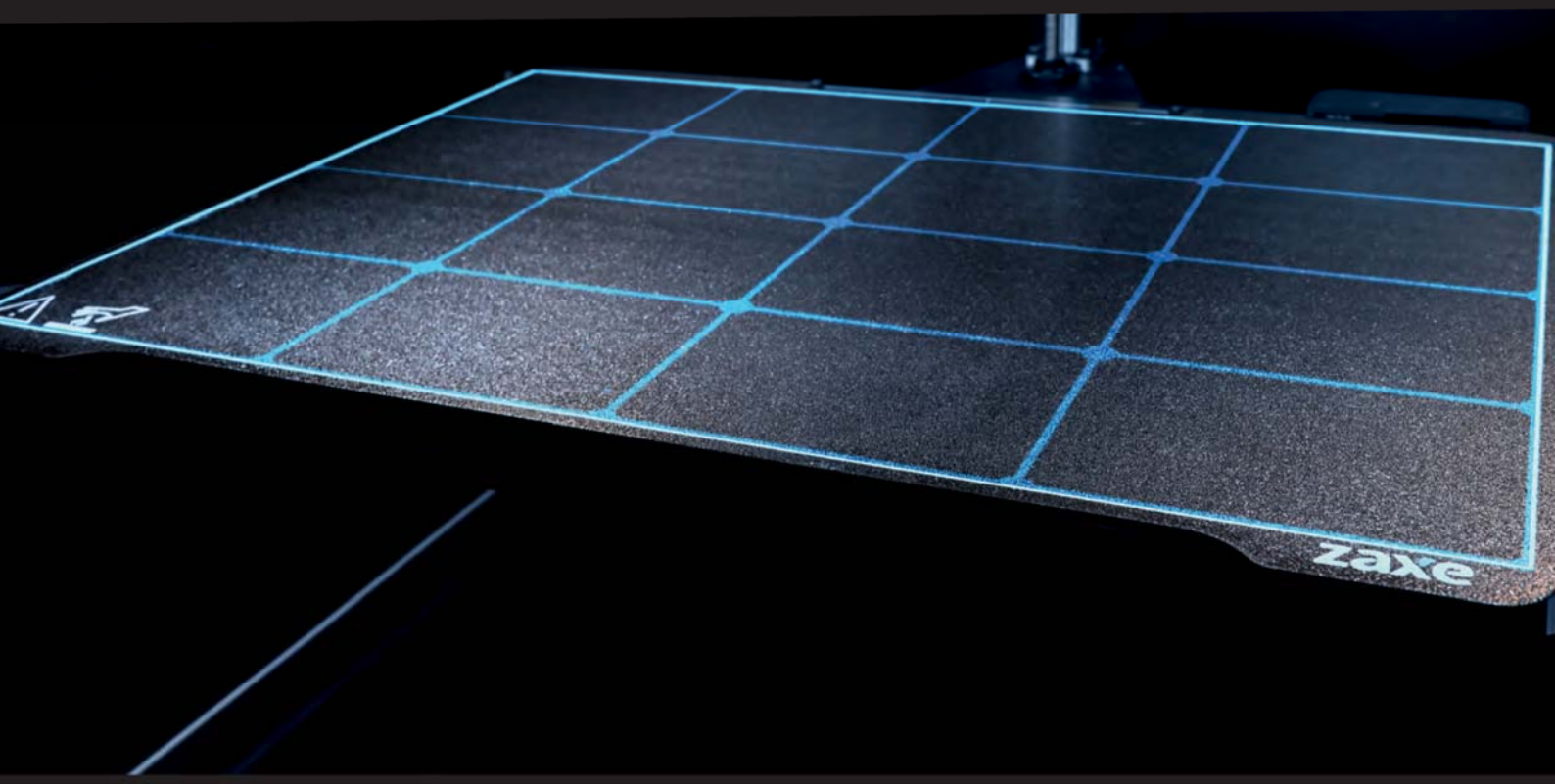


HIWIN RAIL LINEAR GUIDEWAY SERIES MG

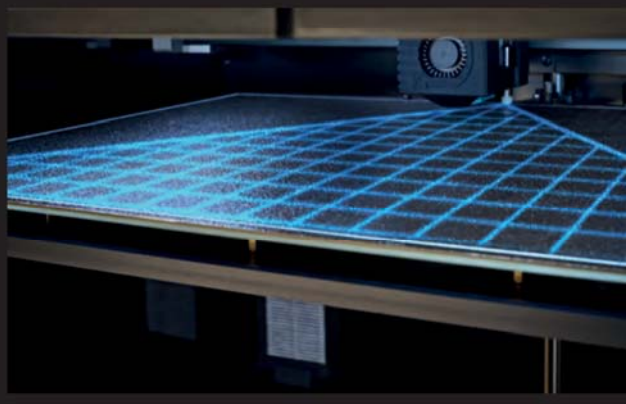
- 2-row recirculating ball bearing guide
- 45 contact angle of the ball tracs
- Compact design
- Thin and wide rails

zaxe

AUTO CALIBRATION



Calibration can be the hardest part of 3D printing for inexperienced users. Event if you are a veteran of additive manufacturing, calibrating your print manually wastes too much time.
Zaxe Z3S offers a new auto-calibration system to ensure perfect results with a reduced setup process. Get it right every single time thanks to Z3S's inductive sensor.



Z-TILT CALIBRATION

With the z-tilt calibration, the table touches 3 different points and straightens itself for perfect printing. This way you can always be sure that your print bed is perfectly flat and get better results.

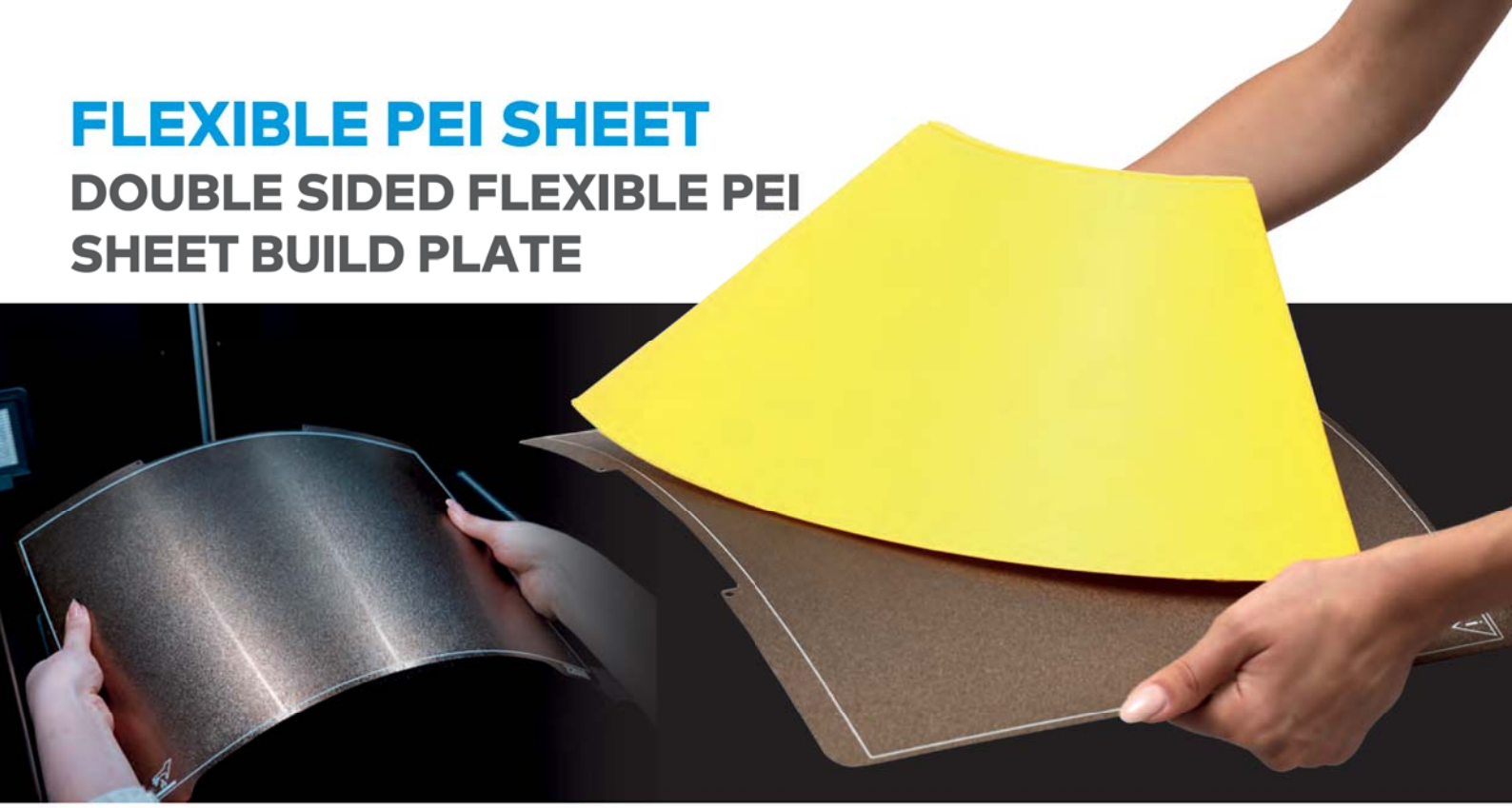
MESH CALIBRATION

Mesh Calibration System will go through 25 points on your printing table and measure the distance between these points to provide a more accurate printing experience.

zaxe

FLEXIBLE PEI SHEET

DOUBLE SIDED FLEXIBLE PEI SHEET BUILD PLATE

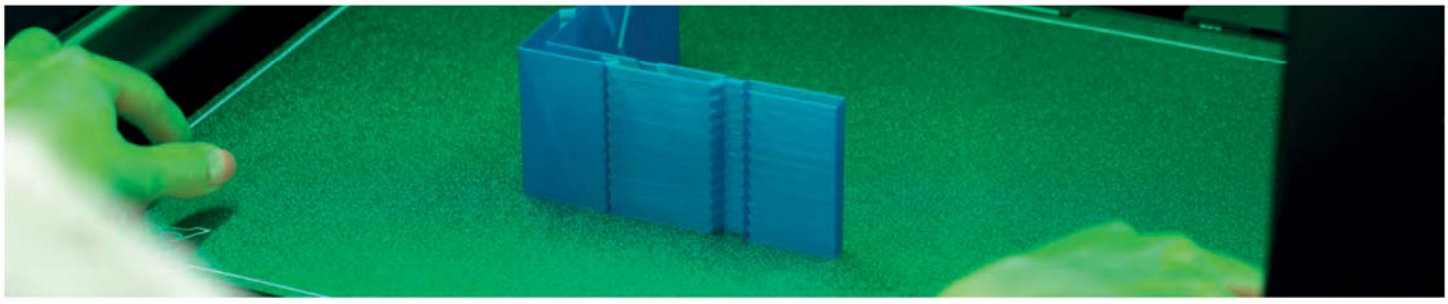


Take your print out easily with our double-sided spring steel pei sheet build plate. Thanks to its flexible and rough surface, your prints will come off with no trouble.

The level of flatness directly affects the printing quality. That's why we use a special aluminum to ensure smooth surfaces.

SUPERIOR PRINTING AREA

Zaxe Z3S comes with the biggest print volume our company has offered to this date. With a print volume of 400x300x350mm Zaxe Z3S allows you to print bigger products or make several smaller models in a single batch.



FLEXIBLE

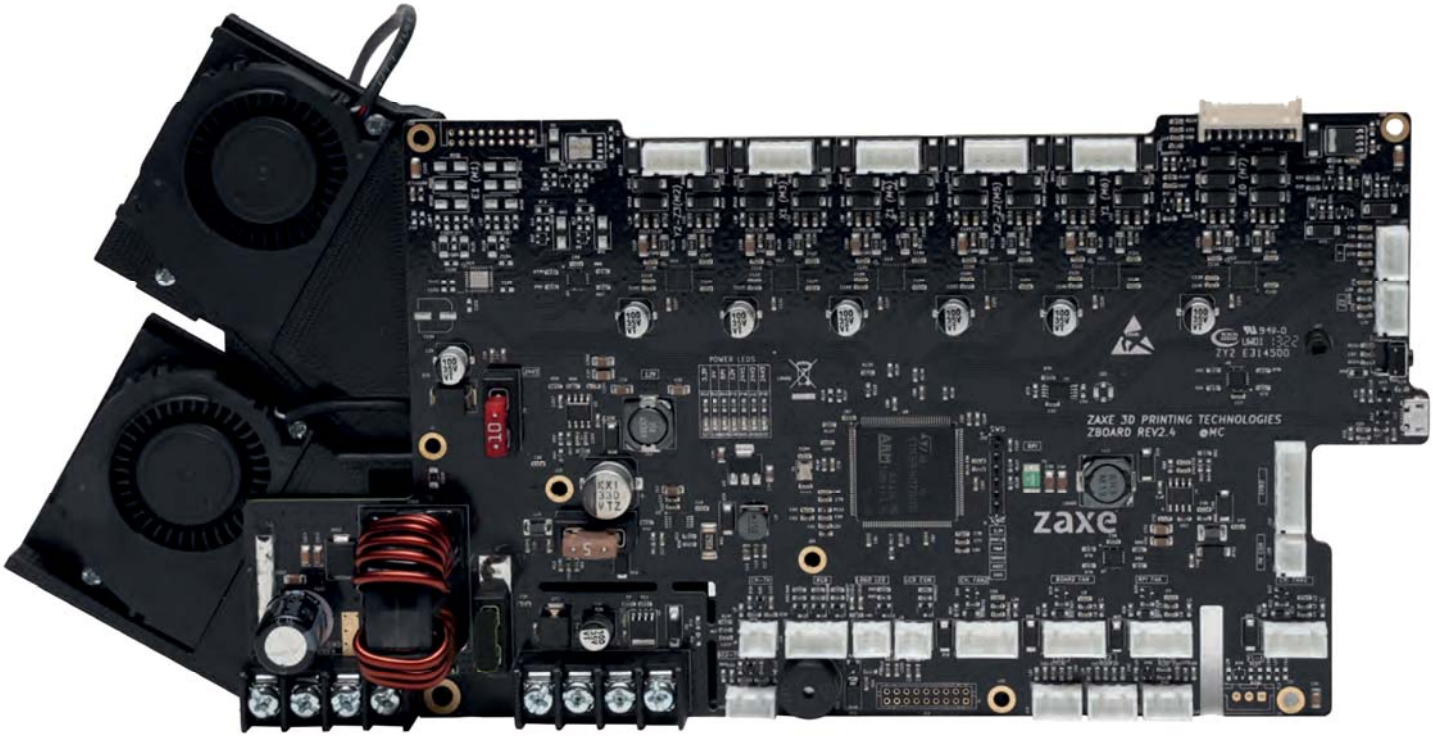
Take your print without the need for a scraper. The flexible spring steel structure allows it to bend and makes pulling your print out easier.

TEXTURED OR SMOOTH

Have the ability to choose between a smooth or rough surface texture for diffferent prints.

zaxe

zBOARD



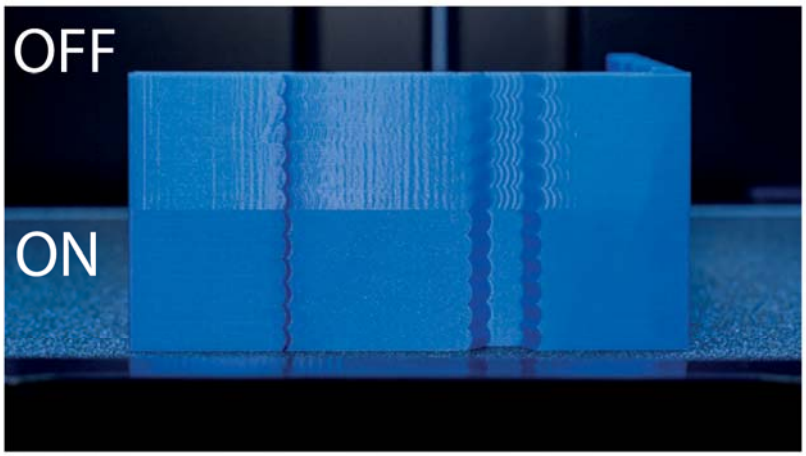
At the heart of Z3S, there is the zBoard with its 32-bit processor. It is equipped with the new sytem-on-chip design, Raspberry Pi 5.

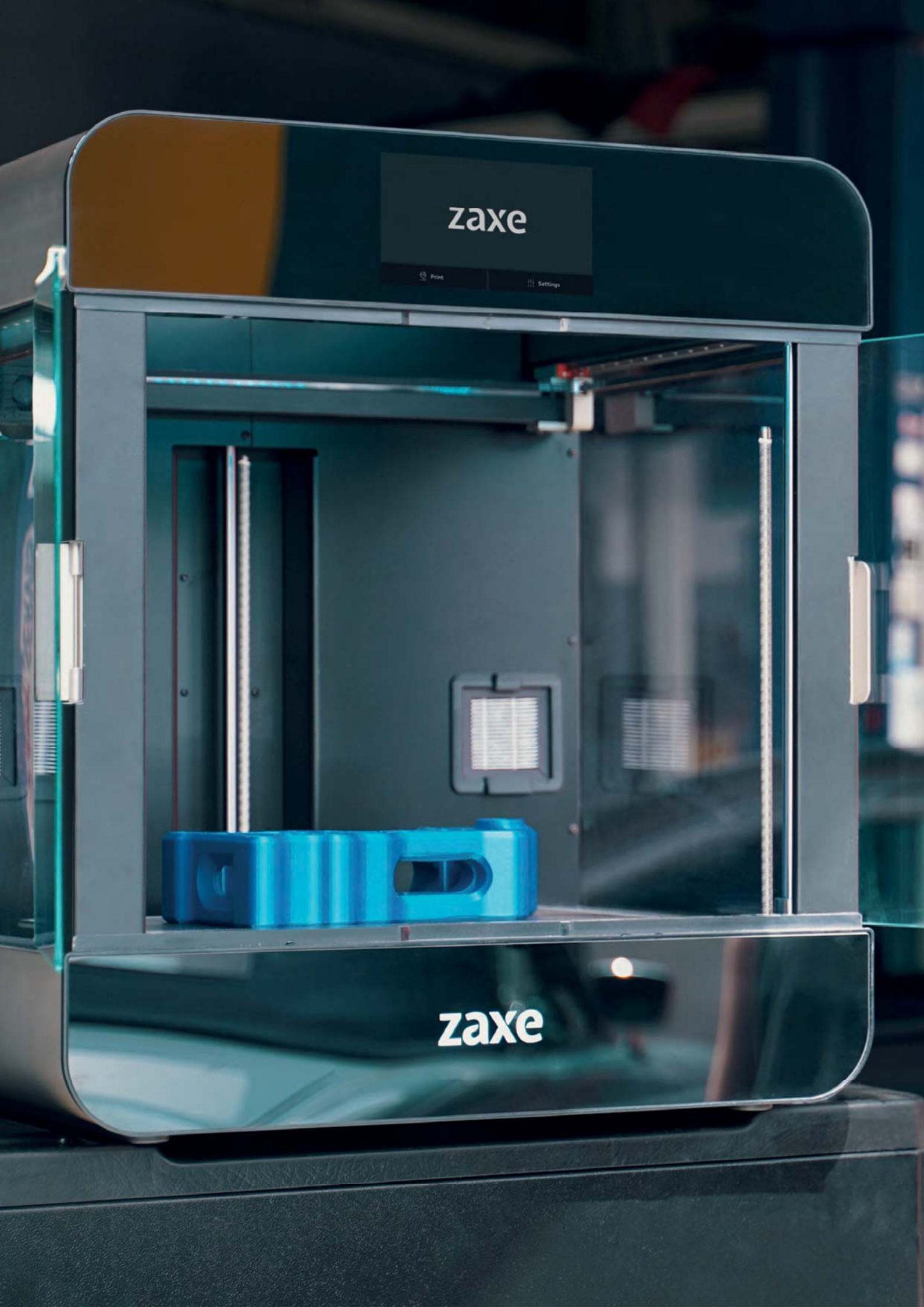
zBoard provides the power and speed that will carry your manufcturing efficiency to new heights.

Klipper

INPUT SHAPER

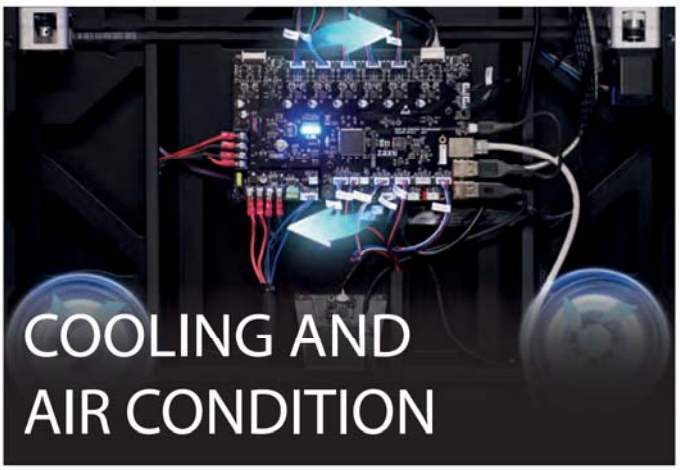
The input shaper algorithm in Klipper firmware prevents vibrations at high speeds, allowing you to print more accurately at high speeds.



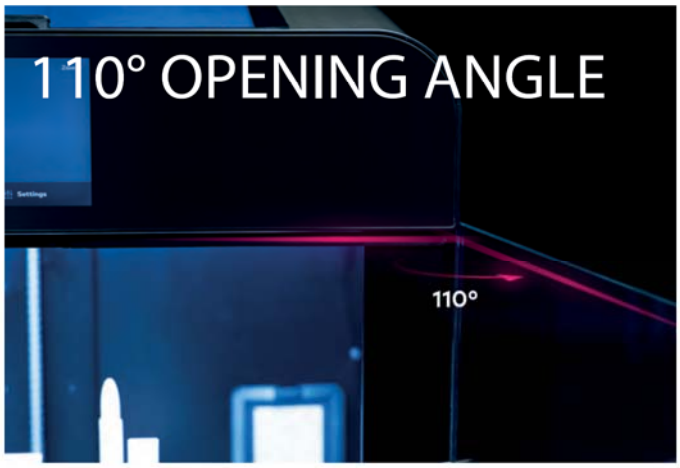

zaxe
Print
Settings
zaxe

DESIGN FEATURES

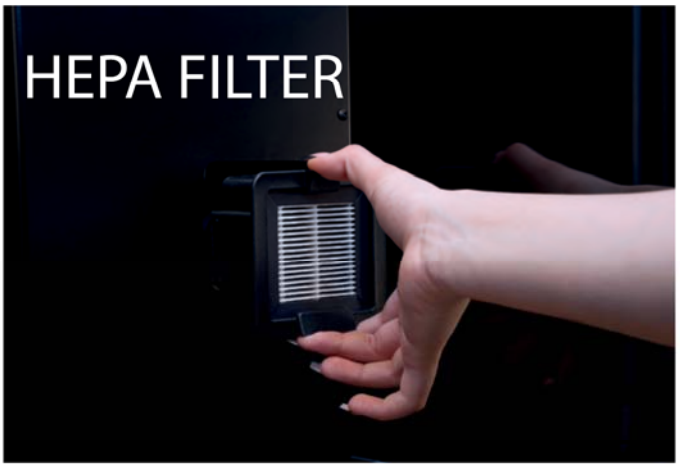
The spool holder which is compatible with different size of spools, enhances user freedom and supports production flexibility.



We designed a highly optimized cooling system to cool down zBoard to eliminate the chance of overheating during intense production.



We designed a hinge system with a 110-degree opening angle which allows users to get inside the machine comfortably for maintenance.



Responsible, environmentally friendly and reliable. Z3S comes with 2 HEPA Filters that are designed to prevent the relases of odor and harmful microparticles that occur during the printing process.

FEEDBACK LED LIGHTS

White
Settings and
During Printing

Blue
Standby
Mode

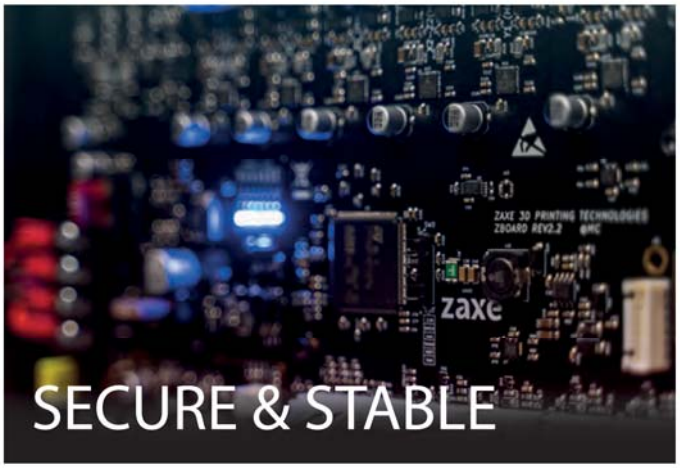
Red
Heating
Process

Green
Print is
Done

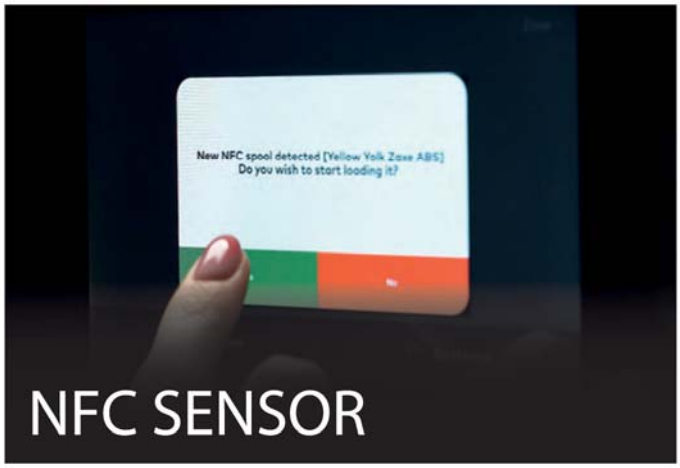
Orange
Maintenance or
Calibation

zaxe

DESIGN FEATURES



Equipped with many safety features, your Z3S will provide you with a stable and safe printing experience.



The NFC sensor will detect the color and type of the filament automatically and tell you exactly how much material you have left.

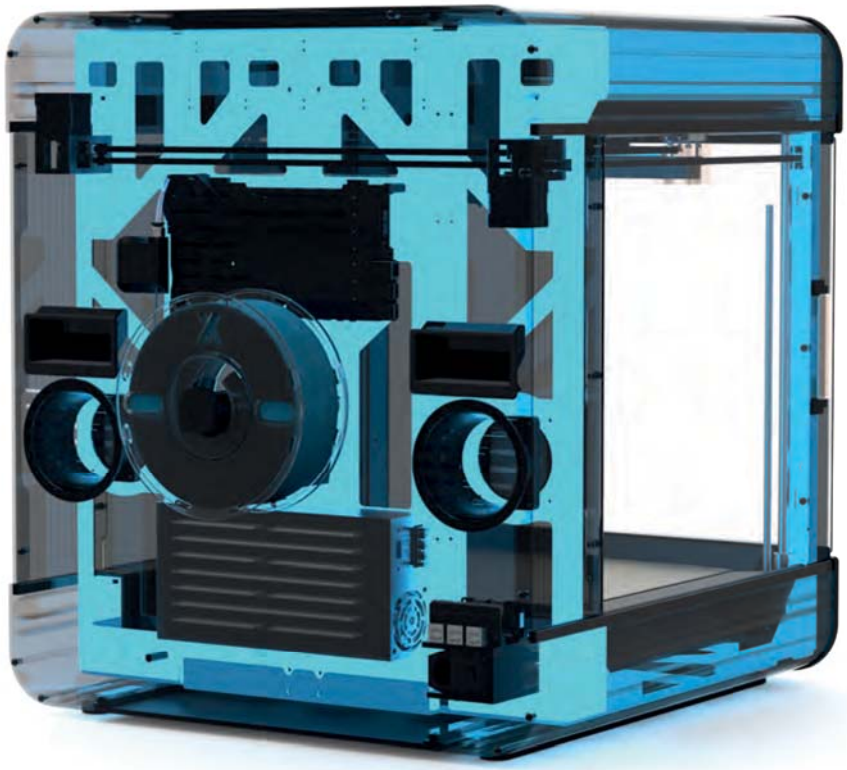
The built in filament sensor will inform you wheter a filament is installed or not.

Thanks to the camera we have installed inside your Z3S that overlooks the printing area and xCloud, keep an eye on your 3D printing process wherever you go.

Experience the convenience of adjusting all your settings with a couple of simple touches with Z3S's 7" capacitive touchscreen.

There is no need to fear a power outage with Zaxe 3D printers. The system will stop your print and the process will start automatically when the power is restored.

HIGHLY STABLE METAL BODY



Level up with the New Design

Vibration during high-speed printing inevitably creates imperfections in your print.

If the 3D printer doesn't have a sturdy body, this can decrease the production quality. Stability of the printer is important to ensure perfect results.

Aluminum Body

Zaxe Z3S's milestone is a sturdy aluminum body that is manufactured in one single piece.

The tempered glass surfaces were chosen to give you the ability to see the printing part from different angles."Z3S was created with the best parts available on market to give you the best 3D printing experience you could hope for.

With no screws and bolts holding the frame together, Zaxe Z3S's stable and robust body can print at high speeds for hours without making too much noise and achieves perfect accuracy in every print.

Not to mention it has a sleek design which creates a remarkable first impression.

PASSIVE HEATED CHAMBER

3D printing is easy with compatible materials. But some filaments refuse to cooperate with you. These materials require precise temperatures to give good results. Zaxe Z3S's passive heated chamber creates an enclosure that keeps the temperatures in the printer even to prevent any heat imbalances that may cause imperfections in your end product.

By creating a printing area with precise temperatures, you are assuring better dimensional accuracy and function for you prints, especially with industrial filaments which are notoriously hard to print with.

Great Layer Adhesion

Inconsistent temperatures in your 3D printer might cause the layers to not stick to each other properly. You can see small divisions between layers and this completely ruin the form and function of your print. Passive heated chamber will manage the heat in the printer to make sure your layers don't get cold before sticking perfectly.

High Mechanical Strength

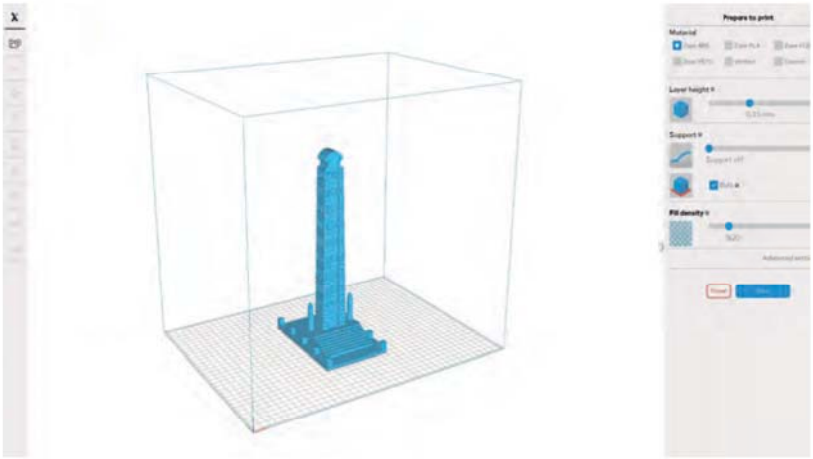
The temperatures in your printer will determine how quickly each layer will cool off after being applied. If each layer cools off at differently from others will create cracks and make your print considerably.

Low Warping

Warping happens when your print shrinks too much and detaches from the print bed. By not allowing your print to solidify before the process is over, a passively heated chamber keeps the dimensional accuracy completely identical to your original design and lets you get repeatable results every time you use your 3D printer.

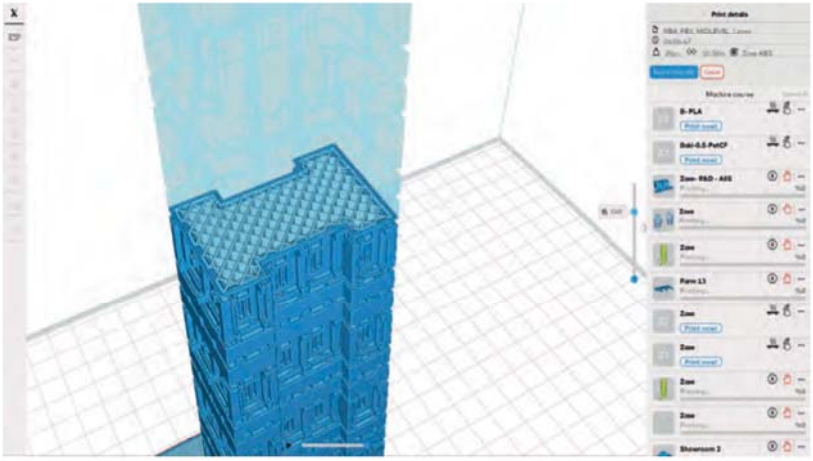
xdesktop

ALL YOUR 3D PRINTING NEEDS IN ONE SOFTWARE



Intuitive Design

Our UI engineers set out to create an easy 3D printing experience so even the non-technical staff can take part in the printing process to make your business more agile. Understand the basics of 3D printing with xDesktop's intuitive design in a matter of minutes. If you get stuck, you can get extra information from the section above the slider.



Advanced Slicer

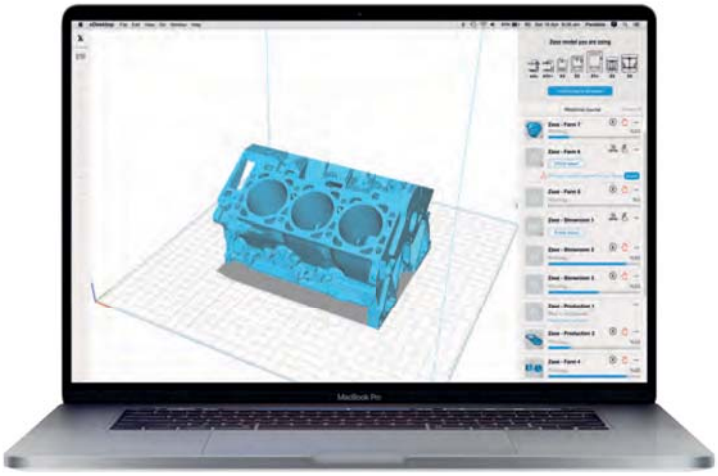
If you are already an experienced 3D printer user, you can take advantage of the advanced slicer section on your xDesktop. You have countless options for your printer setup and are free to experiment to get the results you are seeking.

Remote Printer Control

xDesktop enables you to manage multiple printers from a single point. You can monitor the printing process and make setting adjustments on all your printers without the hassle of having to set up multiple computers for the job.

zaxe

xdesktop



Intuitive Design, Advances Slicer, Remote Printer Control

REMOTE DEVICE MANAGEMET FROM A SINGLE POINT

Manage multiple devices through Wi-Fi or cable connection remotely and take full control of your manufacturing line.

xCloud

STAY CONNECTED TO YOUR PRINTER WHEREVER YOU GO

xCloud enables you to monitor your printing process remotely. You can watch your model getting printed live through the camera in your printer.

zaxe

OUR FILAMENTS

Experience trouble-free printing with filaments that are fully compatible with Zaxe 3D Printers. Zaxe filaments offer you a wide selection of colors, now made more apparentwith our new transparent spool design. Choose the color of your preference to present your models more professionally.

Zaxe ABS

ABS is a popular choice among 3D printer users thaks to its impressive properties. It is preferred by professionals for its strength, low cost, and impact resistance. It is suitable for post-printing surface treatment operations and interlocking prints.

Colors

Zaxe PLA

PLA is one of the easiest materials to print with and is a great choice for inexperienced printers and professionals alike. It has a smooth, attractive finish and is a great material for models. PLA is derived from cornstarch so it's biodegradable.

Colors

Zaxe PETG

PETG combines the strength of ABS and the simplicity of PLA. Its impact and chemical resistance make PETG a sturdy material suitable for various environments. PETG also has great thermal characteristics so it undergoes little to no warpage, achieving grat dimensional accuracy in the end product.

Colors

Zaxe FLEX

As the name suggests, FLEX is the best choice for people who are looking for a flexible filament. It is made by mixing plastic and rubber, creating a material with impressive shock absorption and elastic properties in the process.

Colors

Zaxe ASA

ASA was developed as an alternative to ABS so they ara usually taught as very similar materials but ASA improves on some of ABS's shortcomings It has exceptional UV resistance and is very durable even in high temperatures so it is usually preferred for outdoor use.

Colors

3RD PARTY FILAMENT SUPPORT

COMPATIBILITY IS POWER !
YOU CAN PRINT WITH DIFFERENT FILAMENT TYPES AND ACHIEVE HIGH-END RESULTS."

BASF We create chemistry

colorFabb

KIMYA 3D materials by ARMOR

igus® plastics for longer life®

BASF
ULTRAFUSE
316L METAL FILAMENT

BASF
ULTRAFUSE
PET CF15

BASF
ULTRAFUSE
ABS

Any printer can achieve good results with a cooperative material like PLA but few can get the same world-class accuracy like Zaxe 3D Printers using harder materials.

Zaxe 3D Printers offer great results with 3rd party filaments so you can print to your heart's content without thinking about the filament type or brand.

zaxe

zaxe Ecosystem

All in One for All Producers

Simplicity is always powerful!

Discover the unique printing experience provided by the powerfull software infrastructure combined with the user-friendly interface.

for people who produce

zaxe
www.zaxe.com