zaxe Z3S

For People Who Produce

2 YEARS WARRANTY

Professional Printer With High Speed

We believe in the magic of innovation

CON-TENTS

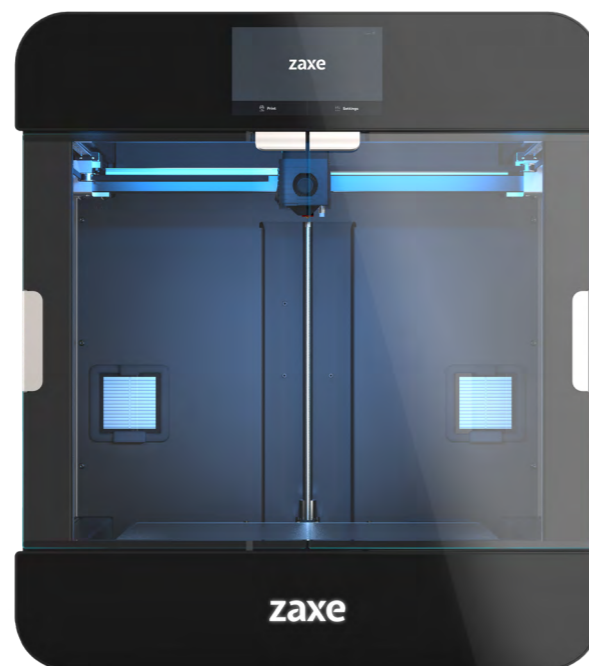### Superior Printing Area

The Zaxe Z3S comes with the largest print volume our company has ever offered. With a print volume of 400x300x350mm, the Zaxe Z3S allows you to print larger products or make many small models in a single batch.

zaxe Z3S

For People Who Produce

Meet with
zaxe Z3S

Printing Experience

Experience seamless printing with filaments that are fully compatible with Zaxe 3D Printers. Zaxe filaments give you a wide choice of colors. Filaments are made more visible with our new transparent spool design. Choose the color of your preference to present your models in a more professional way.
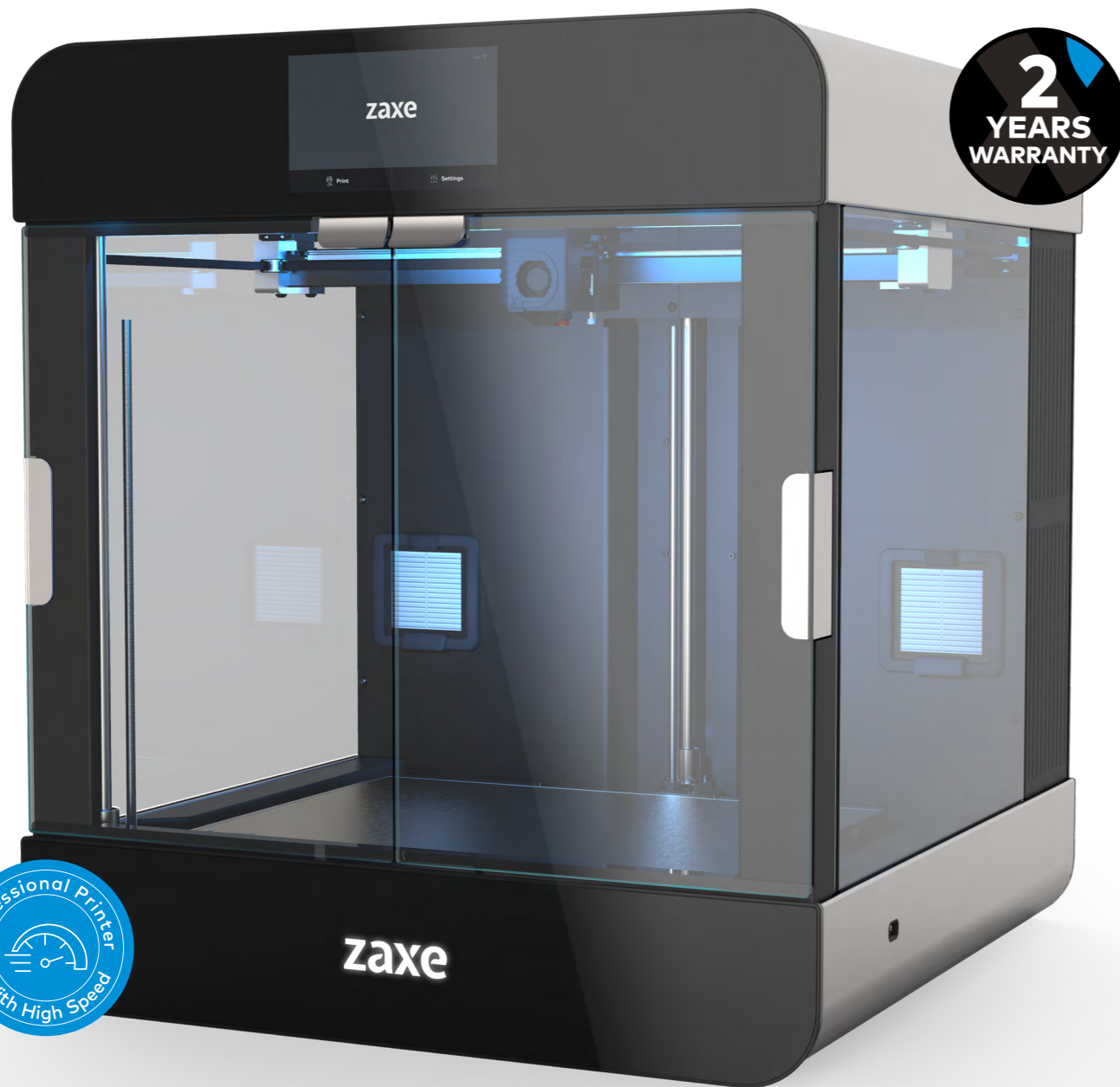
Worldwide Credibility

You can find Zaxe 3D printers in 13 countries, including Germany, UK and Israel. We are in constant contact with representatives from different countries and we are just at the starting point.

www.zaxe.com

zaxe Z3S

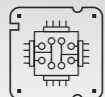For People Who Produce

2 YEARS WARRANTY

Professional Printer With High Speed

500mm/sec Max Speed

20000mm/s² Max Acceleration

Powerful Processor

Wifi Connectivity

Cloud Connectivity

7" Touch Screen

Easy to Use Software

Meet with **zaxe** Z3S

Product Specifications

Printing Specifications	
Nozzle Diameter	0,40/0,60/0,80 mm E3D Revo HF
Layer Thickness	50-800 Micron
Printing Table Material	Double-Sided, Flexible PEI Sheet
Printing Table Max. Temp.	110ºC
Printhead Max. Temp.	300ºC
Software & Connectivity	
Software	xDesktop
File Types Supported	.stl, .obj, .step, .stp, .amf, .3mf, .x3d
Connectivity	Wi-Fi, Ethernet, Flash Disk
Material Specifications	
Feeding Material	Filament
Filament Diameter	1,75 mm
Materials Supported	PLA, ABS, PETG, TPU, *PET-CF15, *Carbon Fiber Filament and Other *Composite Materials. *With E3D Revo ObXidian HF nozzle
3D Printer Specifications	
3D Printer Size	585 x 665 x 667 mm
Printing Volume	400 x 300 x 350 mm
Printing Area	Closed, Heat Insulated
Print Sensing	Automatic Printing Detection Tech. with AI
Printhead	E3D Revo High Flow
Maximum Printing Speed	500 mm/sec
Maximum Acceleration	20K Acceleration (Single Wall Printing)
User Interface	7" Color Touch Screen
Calibration	Automatic & Z Tilt
Camera	Yes / AI Camera
Power Failure Protection	Yes
Filament Sensor	Yes
Filter	HEPA + Carbon Filter
Warranty Duration	2 Years

7" Touch Screen

Experience the ease of easy adjustment with the Z3S's 7-inch capacitive touchscreen.

Maximum Speed

Maximum printing speed; 500 mm/sec speed rate.

Maximum Acceleration

Maximum acceleration 20K Acceleration (Single Wall Printing)

E3D Revo HF

Achieve optimal productivity without fear of clogging with the new E3D Revo HF Hotend from Z3S.

AI Camera

Observe your 3D printing process wherever you go thanks to our AI Camera and xCloud, which keeps an eye on the print area.

NFC Sensor

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

Filament Sensor

The built-in filament sensor will let you know if a filament is inserted.

Power Failure Safety

With Zaxe 3D printers, there is no need to fear a power failure. The system will stop your printing and the process will automatically restart when power is restored.

Hepa Filter

The Z3S comes with 2 HEPA filters designed to prevent the spread of odors and harmful microparticles generated during the printing process.

Cooling System

We have designed a highly optimized cooling system to eliminate the possibility of ZBoard overheating during intensive production.

110° Opening Glass Door

We have designed a hinge system that can be opened at a 110-degree angle, allowing Z3S users to comfortably enter the machine for maintenance.
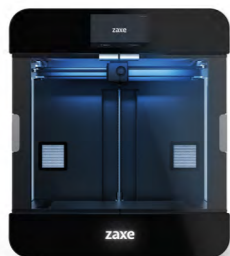
Safe and Stable

Equipped with numerous security features, Z3S will provide you with a stable and secure printing experience.
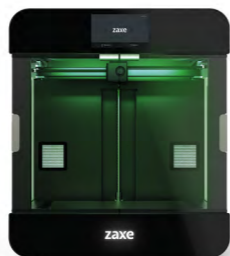
Feedback Led Lights

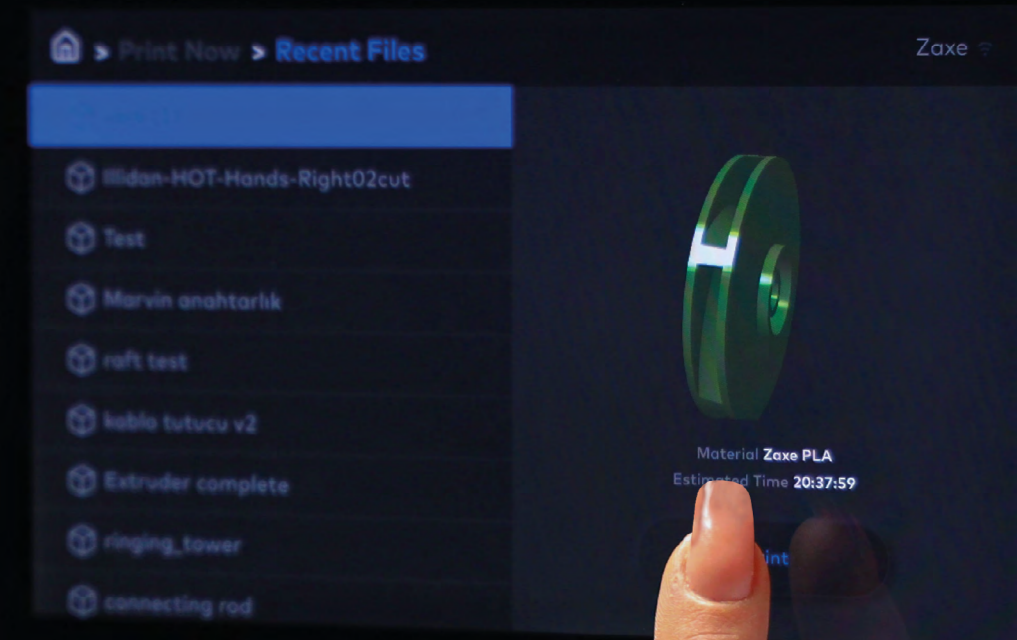| White	Blue	Red	Green	Orange
Settings and During Printing	Standby Mode	Heating Process	Printing Completed	Maintenance or Calibration

www.zaxe.com

EASY USAGE

7" CAPACITIVE TOUCHSCREEN CONTROL

Adjust your settings in the easiest way. Experience the comfort of the Z3S's 7-inch capacitive touchscreen with our all-new user-friendly interface. Monitor the printing process and get consistent results.

Meet with **zaxe** Z3S
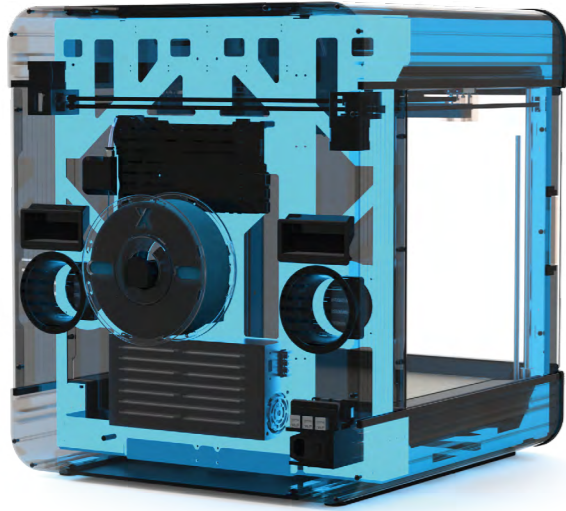
STABLE METAL BODY

Level Up with New Design

Vibration during high-speed printing can inevitably cause defects in your print. If the 3D printer does not have a stable housing, this can reduce the quality of production. The stability of the printer is important to ensure perfect results.

Aluminum Body

The base of the Zaxe Z3S consists of a robust aluminum body manufactured in one piece. The tempered glass surface was chosen so you can see your print from every angle. The Z3S is built with the best parts available on the market and designed to deliver the best 3D printing experience you can hope for.

The stable and robust body of the Zaxe Z3S can print quietly for hours at high speed, ensuring perfect precision in every print. Moreover, it has an eye-catching design and creates an unforgettable first impression.
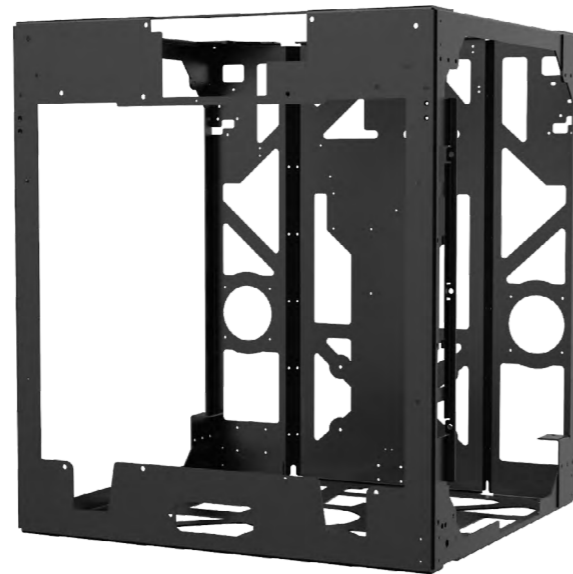
HIGH MECHANICAL DURABILITY

The temperatures in your printer determine how quickly each layer cools after application. If each layer cools at different temperatures, it will cause inconsistencies in your final product. Parts that cool differently from others will form cracks and make your print highly unstable.
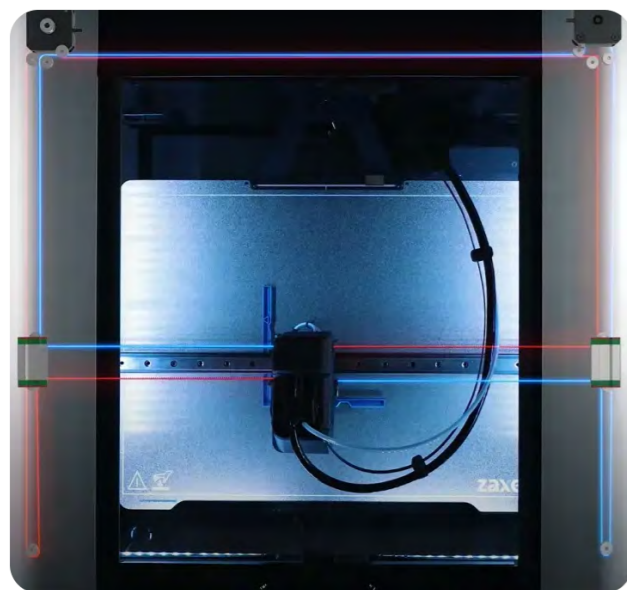
PASSIVE HEATED CHAMBER

3D printing with compatible materials is easy. But some filaments refuse to cooperate with you. These materials require precise temperatures to deliver good results. Zaxe Z3S's passively heated cabinet stabilizes temperatures in the printer, creating an enclosure that prevents heat imbalances that can cause defects in your final product.

By creating a print area with precise temperatures, you ensure better dimensional accuracy and function, especially with difficult-to-print industrial filaments.

UP TO 65°

GREAT LAYER BONDING

Inconsistent temperatures in your 3D printer can cause layers to not stick together properly. You may see small splits between layers and this can completely ruin the form and function of your print. Its passively heated cabinet manages the heat in the printer to ensure that your layers don't cool down before sticking perfectly.

LOW CURVING

Warping occurs when your print shrinks too much and separates from the printing table. By not allowing your print to solidify before the process is complete, a passive heated cabinet keeps the dimensional accuracy exactly in line with your original design and ensures repeatable results every time you use your 3D printer.
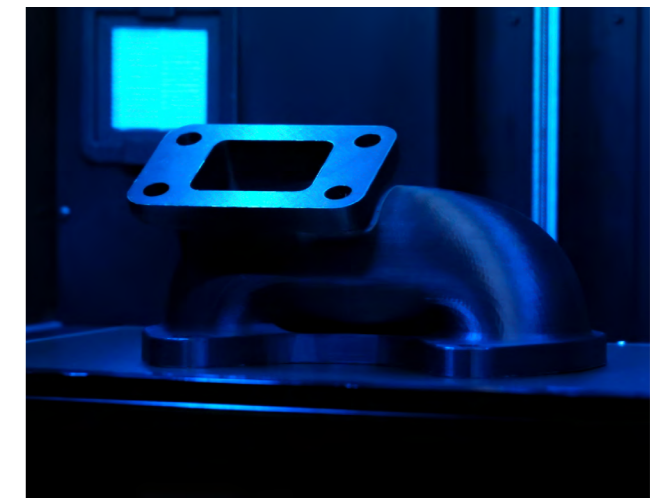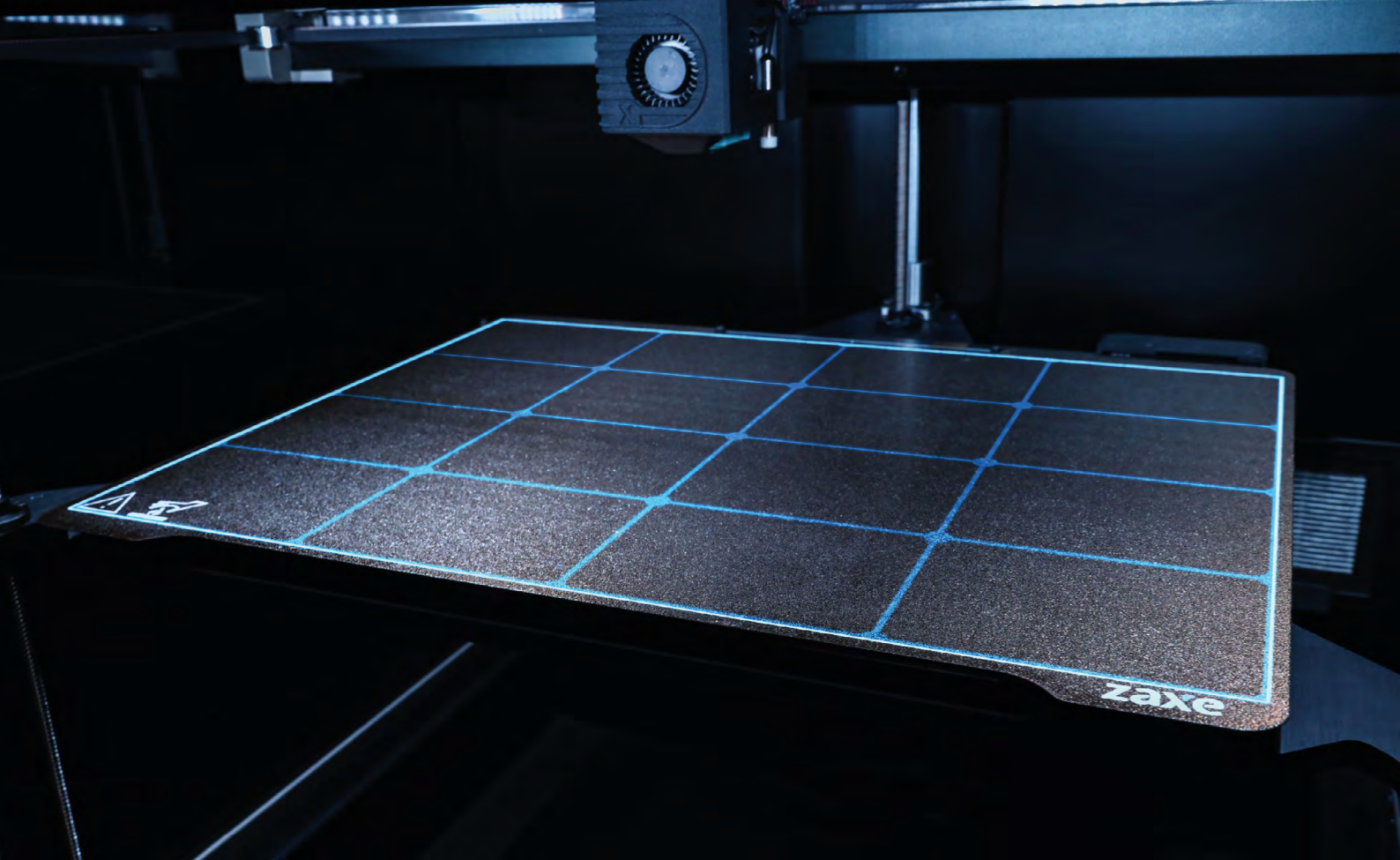
PEI TABLE

Double-Sided Magnetic Pei Printing Table

You can easily remove your print with our steel magnetic printing tray with springs on both sides. Thanks to its flexible and rough surface, your prints will come out smoothly.
The level of the plane directly affects the print quality. That's why we use a special aluminum to ensure smooth surfaces.

Textured or Smooth

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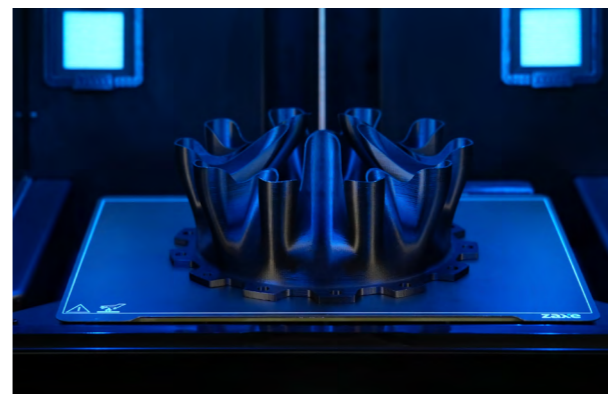
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Flexibility

Get your print without the need for a spatula. The flexible steel spring construction allows it to bend, making it easier for you to pull your print.
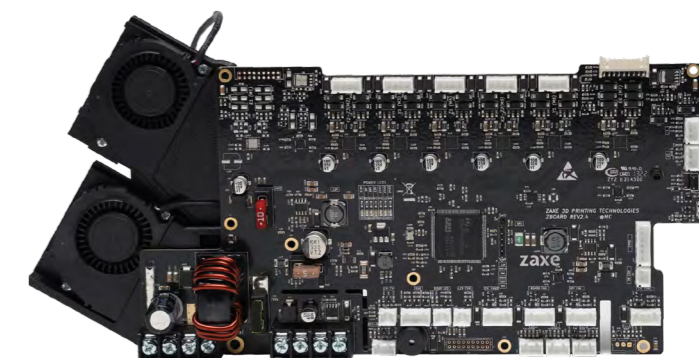
SUPERIOR PRINTING AREA

The Zaxe Z3S comes with the largest print volume our company has ever offered. With a print volume of 400x300x350mm, the Zaxe Z3S allows you to print larger products or make many small models in a single batch.

AUTOMATIC CALIBRATION

For inexperienced users, the most challenging part of 3D printing can be calibration. Even if you are an expert in additive manufacturing, manually calibrating your print is time consuming.

Zaxe Z3S introduces a new automatic calibration system to guarantee perfect results with a reduced setup process. Get the right results every time thanks to the Z3S's inductive sensor.

ZBOARD

At the heart of the Z3S is the zBoard, a 32-bit processor. It is equipped with Raspberry Pi 5, a new system-on-system design.

zBoard provides the power and speed to take your manufacturing productivity to new heights.

Z-TILT CALIBRATION

With Z-Tilt Calibration, the table touches 3 different points and corrects itself for perfect printing. This way you can always be sure that your platen is perfectly flat and achieve better results.

MESH CALIBRATION

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

INTRODUCTION SHAPER

The input shaping algorithm in the Klipper software prevents vibrations at high speeds, allowing you to print more precisely at high speeds.

**Klipper**
www.klipper3d.org

Active

Passive
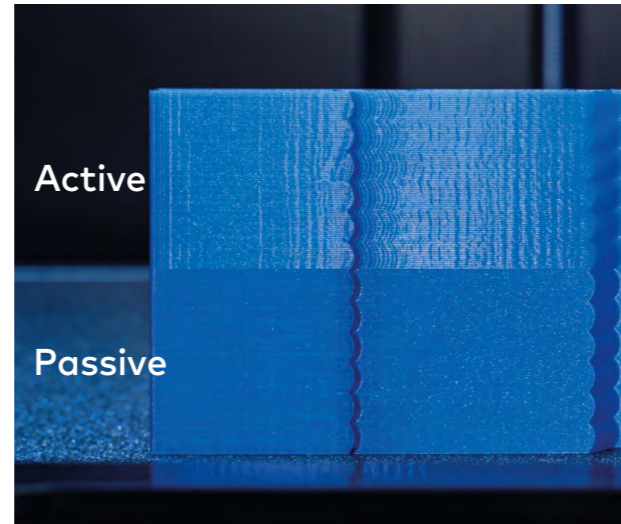
E3D REVO HF HOTEND

Achieve optimal productivity without fear of clogging with the new E3D Revo HF Hotend for the Zaxe Z3S. The E3D Revo HF will extend the service life of your Z3S and ensure you consistently achieve the same performance after every print for years to come.

The new generation E3D Revo HF Hotend guarantees that your printing process will run smoothly without fear of clogging.

PLA, ABS, PETG, FLEX, PET CF-15, ASA, PA, TPU and many different filaments can be printed with the E3D Revo HF Hotend.
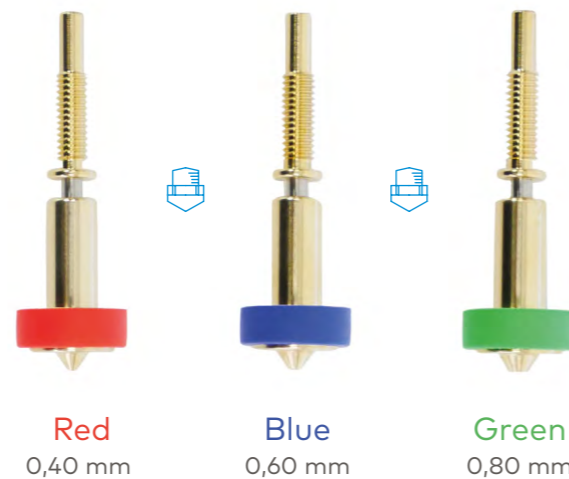
DISTRIBUTED NOZZLE OPTIONS

Zaxe offers several different nozzle sizes from 0.40 mm to 0.80 mm. You can achieve incredible precision and resolution using a 0.40 mm nozzle or increase production speed using a larger nozzle. Have the freedom to choose every aspect of your production line and print at your own pace.

Red
0,40 mm

Blue
0,60 mm

Green
0,80 mm

CORE XY MECHANICS

THE LATEST MILESTONE OF LOYALTY, POWER AND SPEED
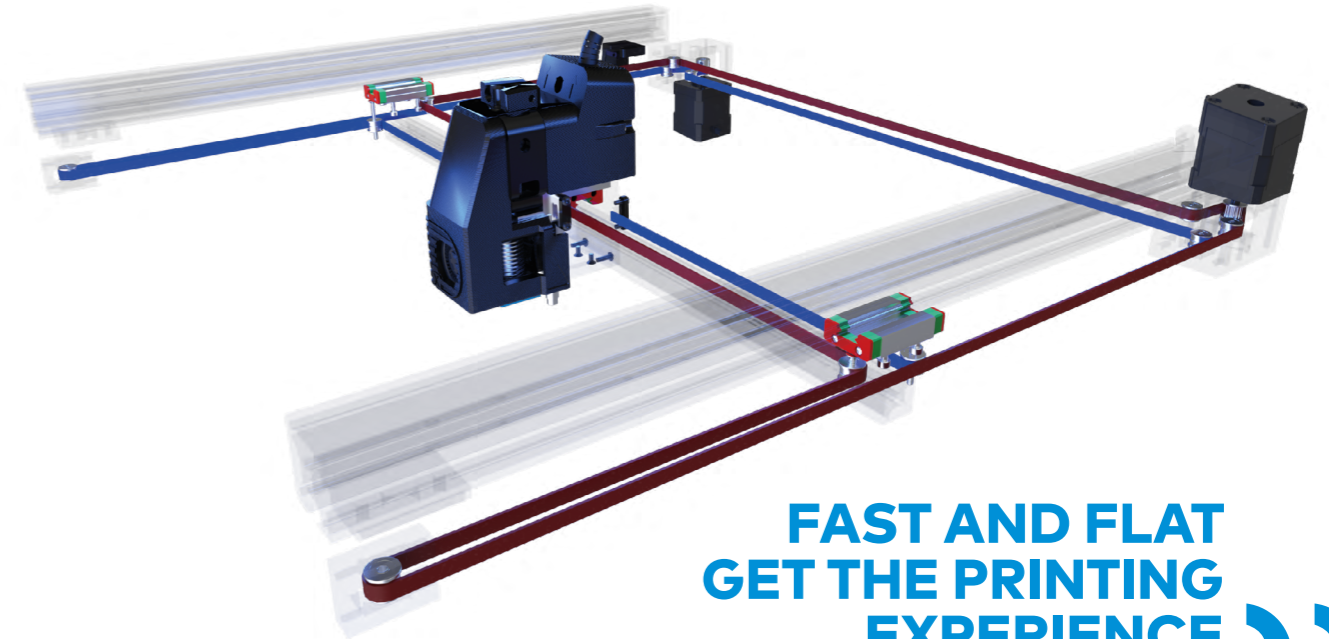
### FAST AND FLAT GET THE PRINTING EXPERIENCE

Thanks to the strong and stable mechanical structure of the Core XY system, you get a quiet and consistent printing experience every time you use your 3D printer. Zaxe products are now more precise and faster.

HIWIN RAIL LINEAR GUIDE SERIES MG

- 2-row rotation ball bearing guide
- 45° contact angle of the ball track
- Compact design
- Thin and wide rails
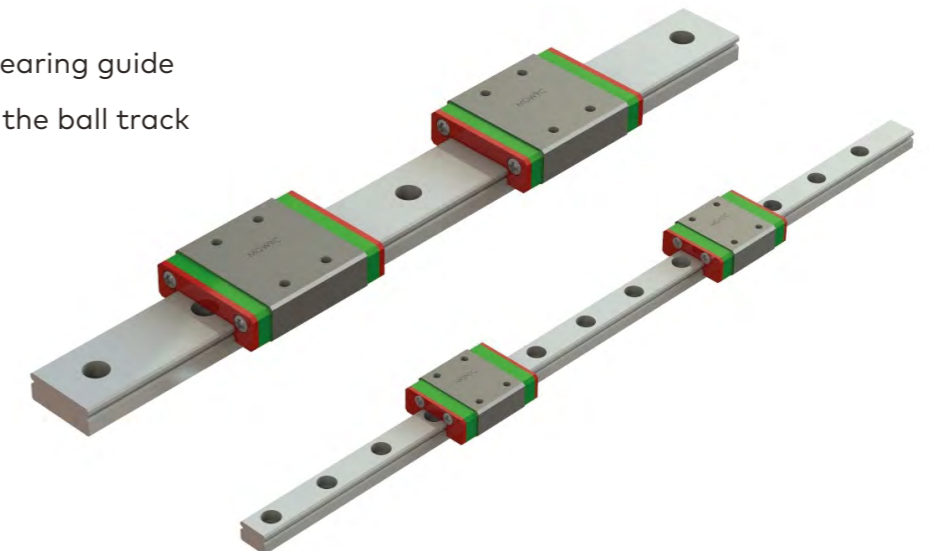
FILAMENT OPTIONS

Experience seamless printing with filaments that are fully compatible with Zaxe 3D Printers. Zaxe filaments give you a wide choice of colors. Filaments are made more visible with our new transparent spool design.

Zaxe ABS

ABS is a popular choice among 3D printer users due to its impressive properties. It is preferred by professionals for its durability, low cost and impact resistance.

Color Variations

Black White Natural Grey Silver Gold Yellow Red Cherry Pink

L. Blue L. Green D. Green Orange Brown

Zaxe PLA

PLA is one of the easiest materials to print with. It is a great choice for inexperienced printers and professionals. It is a great material for models with its smooth surface.

Color Variations

Black White Natural Grey Silver Gold Yellow Red Cherry Pink

Purple L. Blue L. Green D. Green Orange Brown

Zaxe PETG

PETG combines the durability of ABS and the simplicity of PLA. Its chemical resistance makes PETG a robust material suitable for a variety of environments. PETG also has great thermal properties.

Color Variations

Black White Natural Yellow Red Blue L. Green

Zaxe FLEX

As the name suggests, FLEX is the best option for those looking for a flexible filament. By mixing plastic and rubber, a material with impressive shock absorption and flexible properties is created.

Color Variations

Black White Yellow Red L. Blue Turquoise Orange

EXTERNAL FILAMENT MATCHING

HIGH QUALITY WITH EVERY FILAMENT PROVIDES POWERFUL RESULTS

Any printer can achieve good results with a collaborative material like PLA, but there are few printers that can achieve world-class precision like Zaxe 3D printers using more rigid materials.

Zaxe printers deliver great results with 3rd party filaments, so you can print as much as you want without thinking about filament type or brand.

BASF ULTRAFUSE
ABS

Color Variations

Black Grey White

BASF ULTRAFUSE
316L METAL FILAMENT

Color Variations

Black Grey White

BASF ULTRAFUSE
PET CF15

Color Variations

Black Grey White

BASF
We create chemistry

colorFabb

KIMYA
3D materials by ARMOR

igus
plastics for longer life®

polymaker

13/ Filament Options

zaxe Z3S

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For people who produce

zaxe Z3S

Filament Options /14
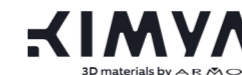
Are you ready to meet the **innovative solutions** of **zaxe** 3D printer technologies?

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HTW Lasercut & 3D Printing S.R.L

incinta Logistic Park
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13 GREECE

GET3D

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Agios Dimitrios
17342
+30 281 520 1814

All resellers and distributors have a demo unit.

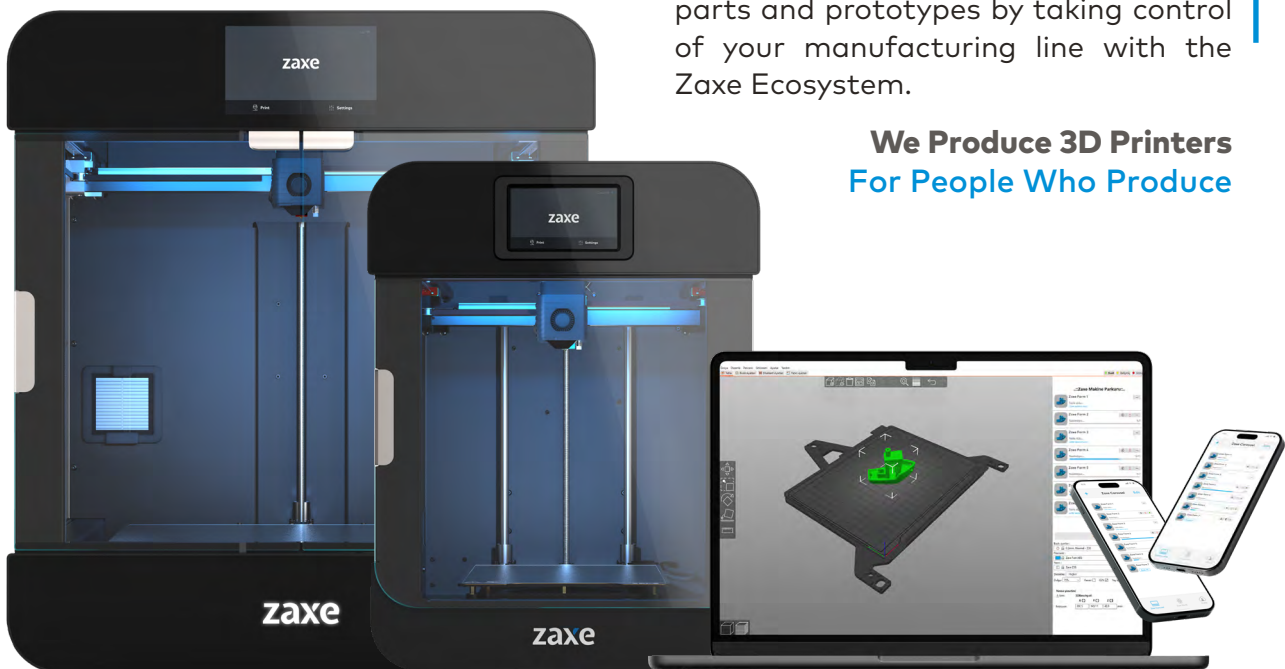All resellers and distributors have a demo unit.

zaxe Ecosystem

Everything in One Place for All Manufacturers

UNIQUE USER EXPERIENCE

Easily produce your end products, spare parts and prototypes by taking control of your manufacturing line with the Zaxe Ecosystem.

We Produce 3D Printers
For People Who Produce

Are you ready to meet the innovative solutions of
Zaxe 3D Printer Technologies ?

www.zaxe.com

/ Zaxe3D

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