

zortrax inventure



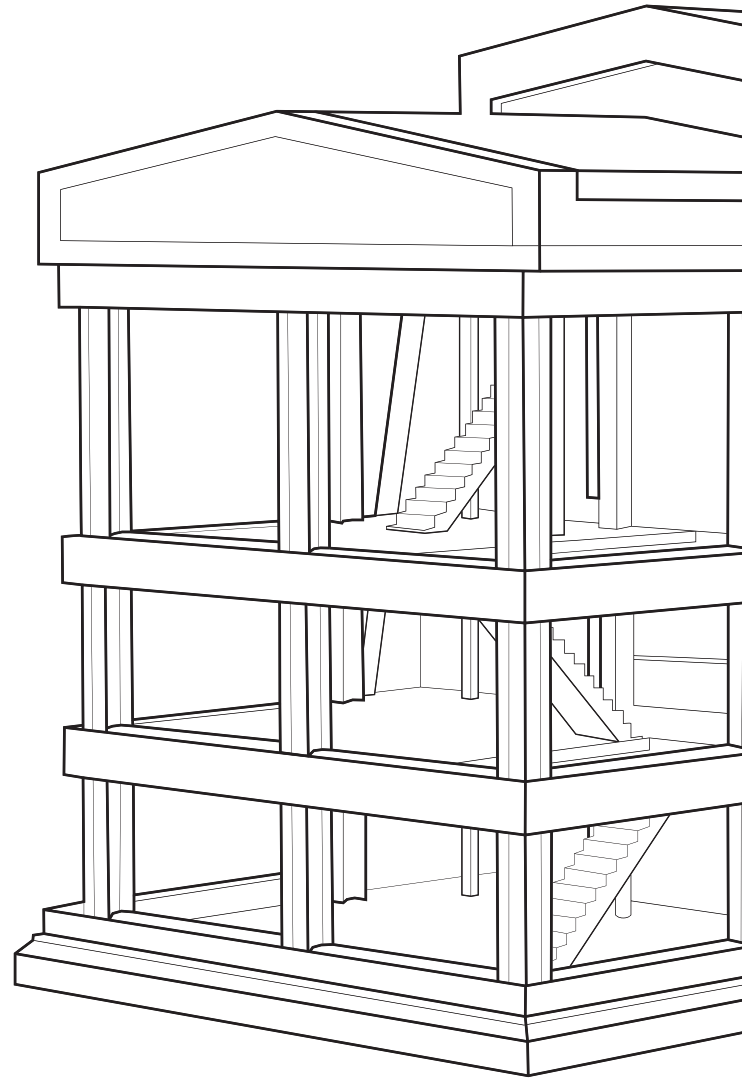
smart

professional.

zortrax inventure

the **SMART** **ONE.**

Meet Zortrax Inventure, the must-have 3D printer for professionals who're looking for the top quality printer and do not accept any excuses. The device introduces you to a number of features that will make your work extremely easy and satisfying, like Dissolvable Support System, closed heated chamber, notification system, or dedicated software. Even the most complex objects can be brought to life. Print with incredible dimensional accuracy and consistent repeatability - smartly and professionally.



DISSOLVE

what's redundant

Together with Zortrax Inventure comes DSS, the Dissolvable Support System.

Starting now, you can print complex parts or entire moving mechanisms in one print. Based on water and soluble material, the DSS is a unique solution that lets you save even more time.

Just put the printed object into the water and find it support-free, with a smooth shape and no residue.



Model with Z-SUPPORT material

inventure

CARTRIDGE A
Material type: Z-ULTRAT Plus Red



all-in **CONTROL.**

What is the smartest thing about our 3D printer? Its ability to communicate and interact with the user. Zortrax Inventure has a built-in notification system that prevents errors and gives you full control over the printing process.



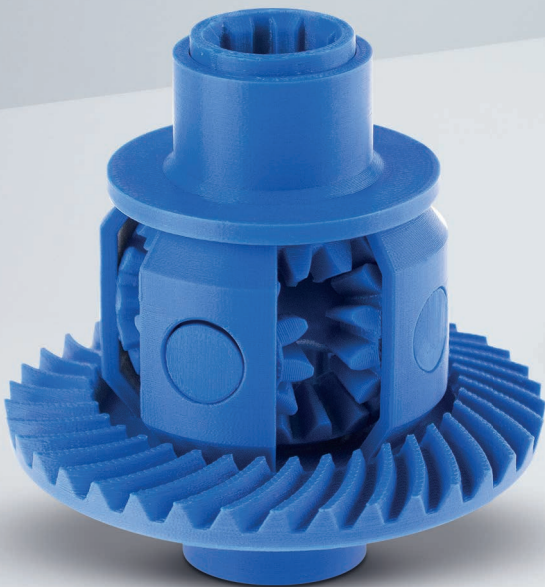
plug-**IN.**

Having 3D printing materials in a cartridge makes the replacement easier and faster. You can have better control of material consumption level. Each cartridge has a special chip which sends information such as material type, color, and consumption level to the 3D printer.



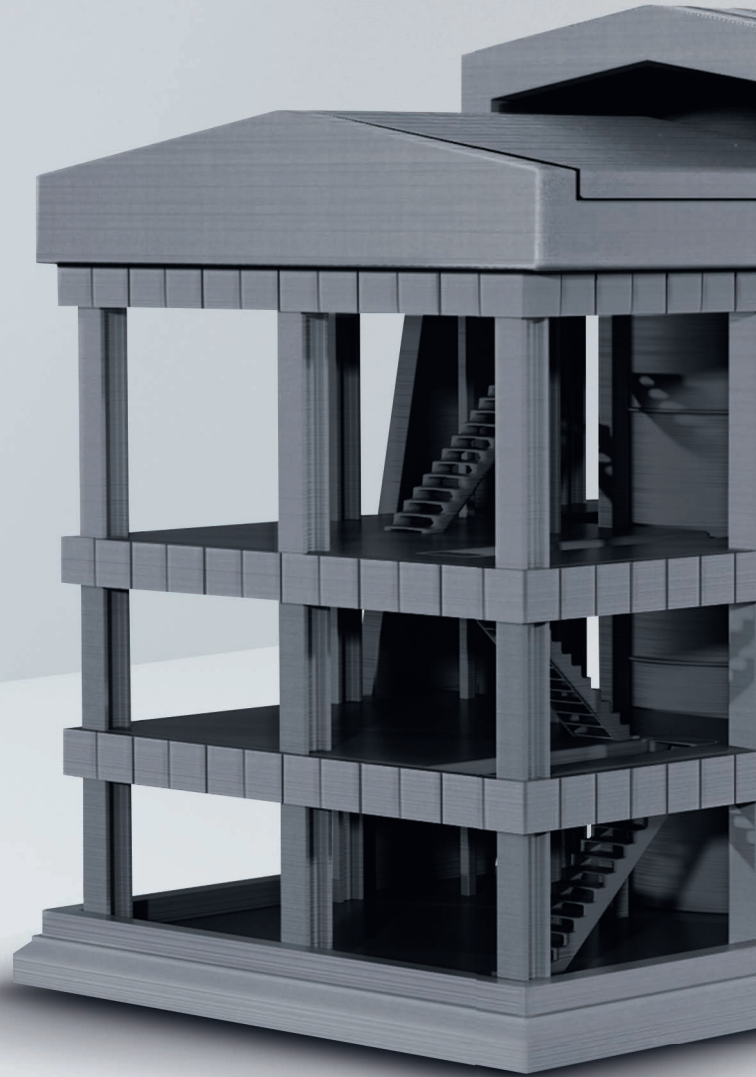
control **THE HEAT.**

It's the right time to forget about warping and deformations. Zortrax Inventure closed heated chamber provides the constant temperature for your models during the printing process. Leave the external factors behind and enjoy flawless printing.



A functional model of a differential mechanism.

The dissolvable support material allows you to print a moving mechanism in one print.



Model with dissolved support, printed in one part on Zortrax Inventure.

the factory **PROPERTIES.**

At last, a material perfect for accurate testing - Z-ULTRAT Plus, closed in a cartridge.

Enjoy the ability to create detailed models and complex shapes. Print end-use parts, functional prototypes or other objects that require high precision and durability or use it for accurate pre-production testing.



A conceptual model of a camera lens part. The Z-ULTRAT Plus material allows to mechanically finish and chemically treat the model's surface.

A functional prototype of the plastic parts of a garden hose.

Thanks to LPD Plus technology particular parts have high dimensional accuracy, so they can fit and work together in one mechanism.



be a **COMPETITOR.**

Zortrax 3D printing solutions will give your company competitive edge on the market. Stop hesitating and get:

- accelerated and facilitated product development
- significantly lower prototyping costs
- increased production flexibility
- easy product customization

Discover the Zortrax Inventure at www.zortrax.com

Printing

Technology	LPD Plus – advanced technology with DSS system
Build volume	140 x 140 x 140 mm 5,5 x 5,5 x 5,5 in
Resolution	90-200 microns
Material container	Cartridge
Wall thickness	Optimal: 800 microns
Resolution of single printable point	in XY axis: 400 microns, in Z axis: 90-200 microns
Material diameter	1.75 mm (0.069 in)
Nozzle diameter	0.4 mm (0.015 in)
Minimum single positioning	1.5 microns
Positioning precision (X/Y)	1.5 microns
Z-axis single step	1.25 microns

Temperature

Extruder maximum temperature	380°C (716°F)
Heated chamber	Yes
Chamber maximum temperature	90°C (194°F)
Ambient operation temperature	15°-35°C (60°-95°F)
Storage temperature	0°-35°C (32°-95°F)

3D Printer

Support	Dissolvable – printed from a different material than the model
HEPA filter	Yes
Material consumption sensor	Yes
Chip with information about material (type, color, consumption)	Yes
Extruder	printing with the main and the support material
Connectivity	SD Card (included)
Available materials	Z-ULTRAT Plus, Z-SUPPORT

Electrical

AC input	110/240V ~ 2 A 50/60 Hz
Power requirements	24 V DC @ 11 A
Power consumption	160 W

Software

Software bundle	Z-SUITE
File types	.stl, .obj, .dxf, .3mf
Supports	Mac OS X / Windows 7 and newer versions

Physical Dimensions

	350 x 350 x 400 mm 13.7 x 13.7 x 15.7 in
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