

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. 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 and dedicated software. The notification system and cartridges that register the material consumption give you control over the printing, while the built-in HEPA filter will assure you about the safety of the whole process. 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. DSS is a unique solution that lets you save even more time. Just put the printed object into the water and watch the support disappear, leaving the model free from residue.



Model with Z-SUPPORT material.

High functionality of **Z-SUITE 2.**

Smart 3D printer calls for an equally capable software. Z-SUITE, an integral part of Zortrax Ecosystem, is comprehensive yet user-friendly solution for 3D model preparation. Designed to make your work effortless and intuitive, user interface of Z-SUITE provides ease of navigation between tools. Load multiple projects into tabs and manage the preparation process in steps. Created as a complete slicing solution, Z-SUITE features a multitude of cutting-edge functionalities.



thin walls analysis

To provide even higher degree of reliability, Z-SUITE comes with an option of pinpointing walls that would be too thin to be printed properly.

auto mesh repair

Loading a model to Z-SUITE starts an automatic mesh repair procedure. Structure of a model is analyzed and all defects are fixed to ensure failure-free printing.



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 gear mechanism.

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



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

the factory **PROPERTIES.**

Users of Zortrax Inventure can choose from a range of professional grade materials that meet various testing purposes, each of them available in a form of easy to use 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 heart.

Z-PLA material makes possible creating a precise and detailed model of a body organ.



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

Zortrax Inventure

Printing

Technology	LPD Plus (Layer Plastic Deposition Plus) with DSS system
Layer resolution	90-190 microns
Minimal wall thickness	400 microns

3D printer

Build volume	135 x 135 x 130 mm (5.3 x 5.3 x 5.1 in)
Material container	Cartridge
Material diameter	1.75mm (0.069 in)
Nozzle diameter	0.4 mm (0.016 in)
Support	Dissolvable – printed with Z-SUPPORT material
HEPA Filter	Yes
Material consumption sensor	Yes
Chip with information about material	Yes
Extruder	Printing with the model and the support material
Connectivity	SD card (included)
Materials	Inventure dedicated materials in cartridges

Temperature

Heated chamber	Yes
Ambient operating temperature	15-30°C (59-86°F)
Storage temperature	0-35°C (32-95°F)

Electrical

AC input	110 V ~ 4A 50/60 Hz 240 V ~ 1.7A 50/60 Hz
Maximum power consumption	300 W

Software

Software bundle	Z-SUITE
Supported file types	.stl, .obj, .dxf, .3mf
Supported operating systems	Mac OS X / Windows 7 and newer versions

Physical dimensions

3D printer	350 x 345 x 405 mm (13.8 x 13.6 x 15.9 in)
Shipping box	460 x 470 x 570 mm (18.1 x 18.5 x 22.4 in) 26kg (57.3 lbs)

DSS Station

Temperature

Maximum working temperature	75°C [167°F]
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Electrical

AC input	110 V ~ 9A 50/60 Hz 240 V ~ 4.2A 50/60 Hz
Maximum power consumption	1000 W

Physical dimensions

External	235 x 238 x 295 mm (9.2 x 9.4 x 11.6 in)
Internal	188 x 188 x 199 mm (7.4 x 7.4 x 7.8 in)
Working volume	6L (202.9 fl oz)
Shipping box	330 x 330 x 380 mm (13 x 13 x 15 in) 9.5 kg (21 lbs)



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