



Jewelry design



Dental modeling



Dental aids manufacturing



Precision engineering



Medium to large-scale production



Small highly detailed models

zortrax

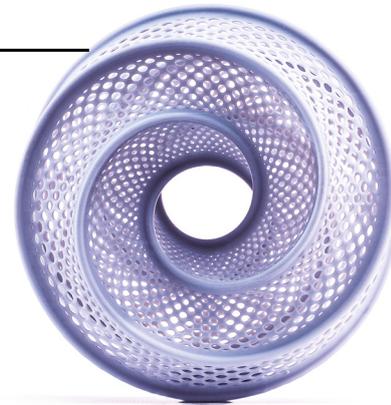
Inkspire

Made for speed and surgical precision



Zortrax Inkspire 3D printer

Pixel size
50 microns



Build volume
132 x 74 x 175 mm
5.2 x 2.9 x 6.9 in

› Fast resin 3D printing

Zortrax Inkspire works at constant high speed regardless of how much of the workspace is used. An entire build-platform filling batch of models prints in the same time as a single part. That's why the Inkspire scales up so well when higher manufacturing output is needed.

› Top of the line precision

Each model's layer is displayed on a high-res LCD and solidified by a UV light source placed beneath. This way, the Inkspire can accurately print extremely small details barely visible to the naked human eye.

› Great connectivity

The Inkspire is ready to use in large 3D printing farms due to its remote management capabilities. It can be remotely operated via a Wi-Fi or Ethernet network. Models can be also loaded directly from USB storage devices.

› Easier support removal

Support structures printed on the Inkspire are easier to remove. Additional UV light exposure time can be set specifically for supports to make them harder than the rest of the model. This way, their footprint on the model's surface is significantly reduced.

› Open to all resins

All resins that can be cured by light with 405 nm wavelength are fully supported with no loss of utility. The Inkspire works at full capacity with both dedicated and third-party photopolymers. Users are free to choose the resin which they deem best for their projects.



Packaging prototype



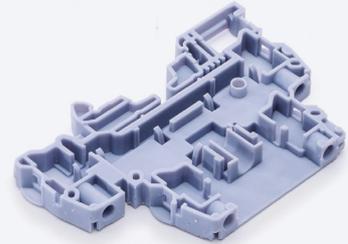
Jewelry investment casting pattern



Surgical guide fitted on a dental impression



Dental bridge and crown models



Fully functional contractor

DEVICE

Build volume	132 x 74 x 175 mm (5.2 x 2.9 x 6.9 in)
Platform calibration	Automatic
Support	Mechanically removed - printed with the same material as the model
Light source	UV integrated light (wavelength 405 nm)
Connectivity	Wi-Fi, Ethernet, USB
Operating system	Android
Processor	Quad Core
Touchscreen	4" IPS 800 x 480
External materials	Applicable
Supported formats	.cws, .zcodex, .sl1, .zip

SOFTWARE

Software bundle	Z-SUITE
Supported input file types	.stl, .obj, .dxf, .3mf
Supported operating system	Mac OS up to Mojave version / Windows 7 and newer versions

PRINTING

Technology	UV LCD
Pixel size	50 microns (0.05 mm)
Layer thickness	25, 50, 100 microns

TEMPERATURE

Ambient operation temperature	20-30°C (68-86°F)
Storage temperature	0-35°C (32-95°F)

ELECTRICAL

AC Input	110 V ~1.4 A 50/60 Hz; 240 V ~0.85 A 50/60 Hz
Maximum power consumption	75 W

IN THE BOX

3D Printer, Z-SUITE, Starter Kit, Zortrax Photopolymer Resin Basic (500 ml)
