



EVERES ZERO and **UNO** are professional 3D printers based on DLP "Digital Light Processing" technology, designed and built to offer a user experience which has never been explored before.

The self-alignment and self-zeroing of the building platform, the resin vat in non-degenerative material due to the photo-curing process, high printing speed, automatic resin loading/unloading together with the "Click&Make" software function deliver the ultimate 3D printing experience.

Zero Tilting Technology (ZTT, patent pending): during the printing routine the vat is set fixed in the machine while the glass tilts after each layer has been printed, allowing to avoid the suction effect and without causing mechanical stress layer after layer, on the object being formed.

Smart Building Platform (SBP, patent pending): allows self-alignment and self-zeroing of the building platform at every printing cycle, eliminating any human calibration intervention. The automatic detachment function also eliminates the risk of breaking the newly printed objects.

Vat bottom in PTFE: the use of PTFE in the bottom of the vat, an inert material in the exothermic photo-curing process, allows for a non-degenerative printing, granting a very high dimensional precision together with a high repeatability and reliability of the process.



FAST & ACCURATE

The patent pending ZTT (Zero Tilting Technology) enables extremely fast printing routines with uncompromising quality. The PTFE bottom of the vat is not subject to degenerative phenomena during the photo-curing process of the resin. The first layer will be precise and detailed as well as the last one. The mechanical stress in the formation of the object is minimal.

IMMEDIATE

The alignment and zeroing of the building platform take place automatically for every print job, without the need for any manual intervention, thus limiting any possible human error.

AUTONOMOUS

The resin cartridge types are automatically recognized by Tag RFID; the resin loading/unloading operations are automatically managed at the start and at the end of every single printing process.



Technical data

ZERO

UNO

Bulding area (XY)	96 mm x 54 mm	124,8 mm x 70,2 mm
Z axis	200 mm	200 mm
XY pixel resolution	50 µm	65 µm
Light source	UV LED@405 nm	UV LED@405 nm
Projector resolution	FullHD (1920 x 1080 px)	FullHD (1920 x 1080 px)
Layer thickness range *	Min 10 µm - max 200 µm	Min 10 µm - max 200 µm
Max printing speed *	Up to 6 min/cm	Up to 6 min/cm
Dimensions	411 mm Ø (base) x H 870 mm x 272 mm Ø (top)	411 mm Ø (base) x H 870 mm x 272 mm Ø (top)
Network 3D printer	Yes	Yes

* depending on resin type and layer thickness



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