The range of EVERES professional 3D printers, based on "Digital Light Processing" DLP technology, expands and includes the new EVERES [VARIO] model. It stems from the platform that EVERES [ZERO] and EVERES [UNO] have in common, maintaining its sinuous and futuristic shape that had characterized it, elegantly elevating it from the ground to the upper control screen. This new model is an ergonomic and functional device with a floor stand and a strong aesthetic character.

The technical-functional features that typify the EVERES family remain unchanged in EVERES [VARIO]; these include self-alignment and self-reset of the construction platform, the resin tray that does not degenerate with the photo-hardening process, the high speed printing, automatic loading/unloading of the resin, the software with the "Click & Make" functionality and the possibility of activating the automated detachment of printed objects from the construction base.

New features are also added, such as:

- **4K UHD Projector**, 3840 x 2160 px resolution
- **Touch-sensitive** retractable **control screen**, which allows viewing of the process progress and print performance
- **Two print volumes**, variable base from 115.2 x 64.8 mm to 226.6 x 127.4 mm and maximum height of 450 mm
- **Two XY resolutions**, variable at 30 or 59 μm
- **Double resin cartridge** loading positions and additional supply tank, for a very high productivity without interruptions

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 degeneration during the photo-curing process of the resin. The first layer will be precise and detailed as the last. 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.

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, which allows avoiding a suction effect and does not cause mechanical stress layer after layer, on the object being formed.

Smart Building Platform (SBP, patent pending):
It 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.

SUPER DEFINED

Thanks to the 4K UHD light source, EVERES VARIO is able to reach an extreme resolution of 3840 x 2160 px. It represents the latest technological achievement in 3D DLP resin printing and offers the highest definition ever achieved.

TWO PRINTERS IN ONE

The print volume and XY resolution can be changed with a simple button, going from a wide 115.2 x 64.8 mm base for very high resolution prints to a wide 226.6 x 127.4 mm base for high productivity prints, with a maximum height of 450 mm, respectively with two XY resolutions of 30 μm or 59 μm.

INTERACTIVE

The distinctive LED ring communicates the main machine statuses intuitively and quickly. On top, a touch-sensitive retractable control screen allows viewing of the progress and print performance at any time, through a modern and functional interface.

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