

GENERA.



Creation made reliable.

The logo consists of the letters "G" and "3" in a stylized, blocky font. The "G" is on the left and the "3" is on the right. The logo is rendered in a light blue color.

G3 ALL IN ONE SYSTEM



All-in-One. Automated. Compact.

The powerful technologies of the G2* and F2* have now been integrated into one compact machine. For the first time ever, users can take a digital part file to a fully washed and post-cured part, all in one machine. The G3 can be preconfigured for 70 or 100 μm pixel size resolutions using a powerful 4K 385nm DLP light engine.

Print with the same flexibility as the G2* using GENERA's ever-expanding validated material library. Parts are automatically cleaned after printing with our non-flammable GENERA Clear3d cleaning fluid. The post-curing step is completed in the high-powered and homo-genous UV LED post-curing chamber with programmable temperature and optional inert atmosphere.

Print, wash, and post-cure.
All with the G3.

HARD FACTS

Print volume @70/100 μm	Available preset pixel sizes
x: 268/384 mm	70 μm or
y: 153/216 mm	100 μm
z: 320 mm	

Wavelength	Speed
385 nm LED	Up to 3 mm/min*

Technology	4K Resolution
DLP	(3840 x 2160)

- **Active carbon filter for odor reduction**
- **Fully automated post-processing** (1 Build Job)
- **Non-flammable cleaning fluid** (GENERA Clear3d)
- **High power and uniform LED curing chamber @ 405 nm**
- **Post-curing in inert atmosphere with part tempering**
- **Intelligent database for printing, post-processing and documentation**

*depending on material and vat system





MACHINE COMPONENTS

- 1 Print/post-processing diagnostic sensors
- 2 Automatic handling system for platforms
- 3 Heated build platform
- 4 Resin temperature sensor
- 5 Resin level sensor
- 6 Wash fluid level sensor
- 7 Special heatable vat system
- 8 4K 385 nm DLP light engine
- 9 Glove-free process with fully automated post-processing
- 10 Integrated direct drive stirrer for efficient cleaning of green parts
- 11 Heating unit (part drying and tempering)
- 12 LED post-curing chamber
- 13 LED for status information
- 14 Resin tank and lightproof, automated resin dispensing system for high throughput production
- 15 Secure, fully enclosed, air-filtered machine
- 16 Human machine interface (HMI) with machine control, part preview, and print-/post-process progress

G3 ALL IN ONE SYSTEM

G3-Cabinet



CABINET FUNCTIONS

- 1 Platform fixture for easy part removal
- 2 2 x 60L cleaning fluid tanks for pre- and post-wash
- 3 Sliding drawer for ergonomic cleaning fluid tank changeover
- 4 Outlet for cleaning fluid hoses and sensor cables





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