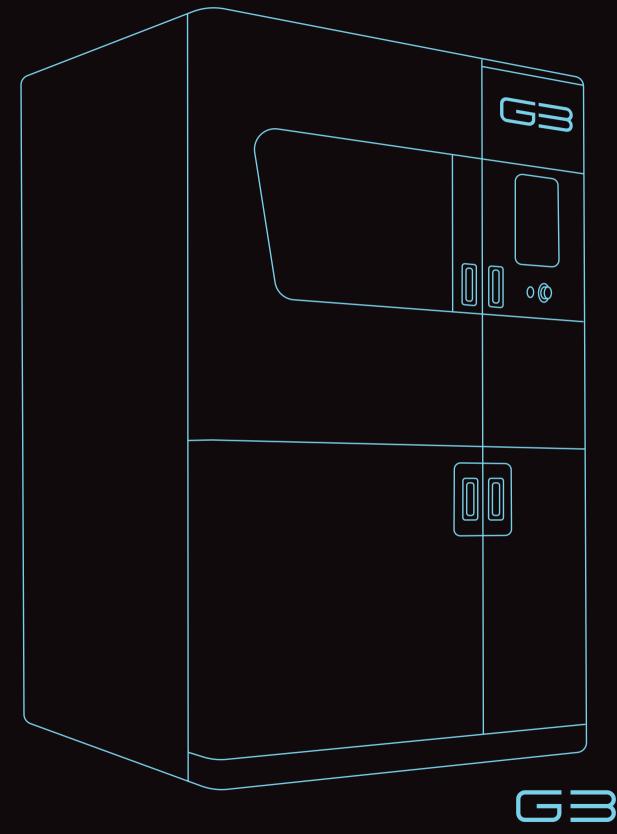
# GENERA.



Creation made reliable.

The **All-in-one** System Coming in **2022** 

### G3 ALL IN ONE SYSTEM



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. G3 can be preconfigured for 40, 70, or 100 µm pixel size resolutions using the same powerful 4K 385nm DLP light engine found on the G2. Print with the same flexibility as the G2 using the open material vat resin system and Genera's ever-expanding material database. Parts are automatically cleaned after printing with our non-flammable Genera Clear3d cleaning fluid in the wash station with integrated stirrer. Final post-curing is completed in the high-powered and homogenous UV LED post-curing chamber that is temperature programable with optional inert atmosphere flooding.

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

#### HARD FACTS

Print volume	Available preset
@40/70/100 μm	pixel sizes
x: 153/268/384 mm	40 μm or
y: 87/153/216 mm	70 μm or
z: 320 mm	100 µm
Move langth	Chand

385 nm DLP Up to 3 mm/min\*

**Light intensity 4K Resolution** max. 30 mW/cm² (3840 × 2160)

## Active carbon filter for odor reduction

**Fully automated post-processing** (1 Build Job)

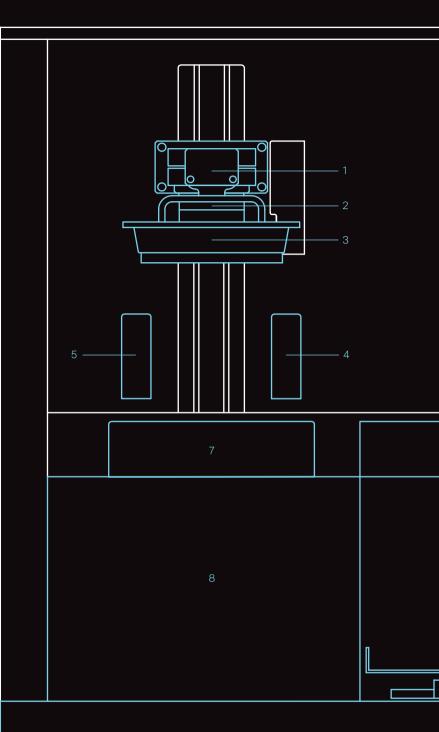
Non-flammable cleaning fluid (Genera Clear3d)

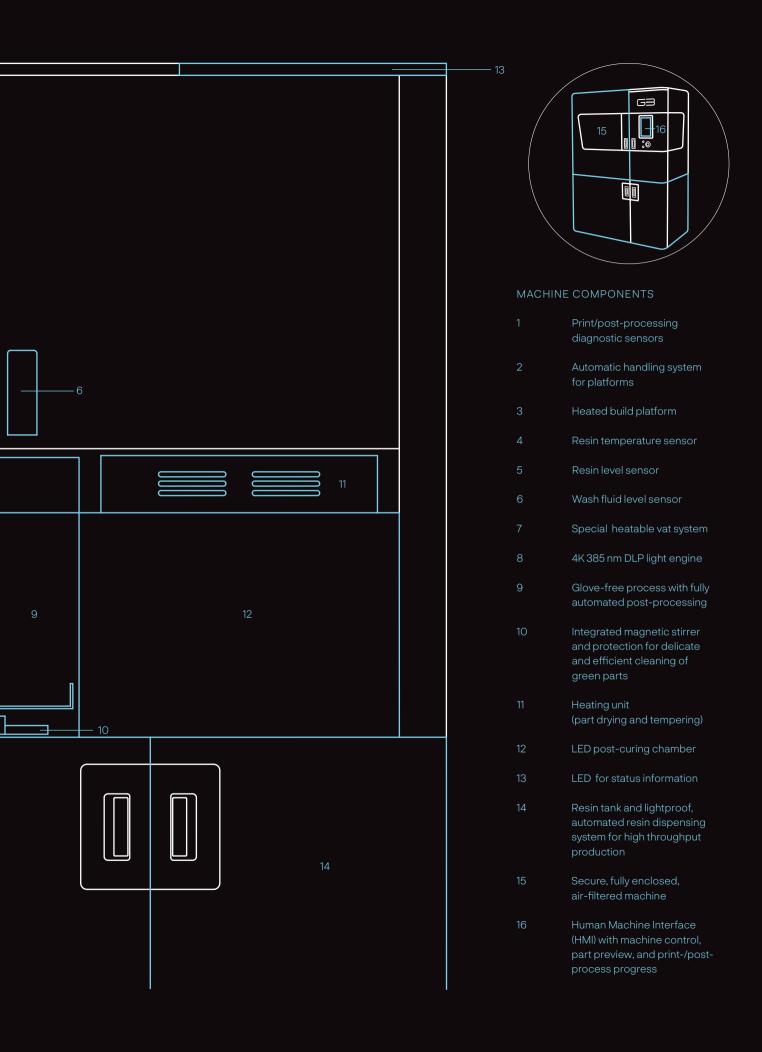
High power and uniform LED curing chamber @ 405 nm

Post-curing in inert atmosphere with part tempering

Intelligent database for printing, postprocessing and documentation

\*depending on material and vat system









# PRELIMINARY SPECIFICATION

	GENERAL
Description	All-in-One System (printing and post-processing)
Materials	Validated with all resins from the Genera open material library
Build Volume (XYZ)	Available preset pixel sizes (max. 26.5 L)
@100 μm	384 × 216 × 320 mm (15 × 8.5 × 12.6 in)
@ 70 μm	268 × 153 × 320 mm (10.55 × 6 × 12.6 in)
@ 40 μm	153 × 87 × 320 mm (6 × 3.4 × 12.6 in)
Resolution	4K DLP (3840 × 2160)
Wavelength	385 nm
Light Intensity	Max. 30 mW/cm² (@40 μm)
Build Speed	up to 3 mm/min
Cleaning Fluid	Genera Clear3d (non-flammable) 2 × 60 L (pre-wash and post-wash)
Heating / Drying Chamber	up to 80 °C
LED Curing Chamber	405 nm (optional under inert atmosphere)
Typical Post Processing Time	45 min
Regulatory Compliance	CE
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	PHYSICAL FOOTPRINT
System Size (W × D × H)	1420 × 970 × 1960 mm (55.9 × 38.1 × 77.1 in)
System Weight	approx. 700 kg (1.543 lbs)

FACILITY REQUIREMENTS		
Power Requirements	AC 220-240 V, 50-60Hz, 15A	
Power Consumption	3500 W (max)	
Network Connectivity	Ethernet	
Compressed Air Connection	6–12 bar (0.6–1.2 MPa)	
Nitrogen Connection	3-6 bar (0.3-0.6 MPa)	
Exhaust (optional)	Integrated active carbon filters (optional facility exhaust)	
Operating Conditions	+15 °C to +25 °C	
Recommended Installation	1920 × 2870 × 2060 mm (75.6 × 113 × 81 in)	
Space (W × D × H)	1920 × 26/0 × 2000 111111 (/ 3.0 × 113 × 61111)	

SOFTWARE AND DESIGN TOOL	
CAM	Genera Utility Center
Print-/PPU-Cockpit	Live print and post processing monitoring